



International Civil Aviation Organization

Third Meeting of the AFI Frequency Management Group

(AFI/FMG/3)

Nairobi, Kenya, 22-24 July 2013

Agenda Item 2: Follow up of the conclusions and decisions of the second meeting of AFI Frequency Management Group (AFI/FMG/2) (Dakar, April 2011)

(Presented by the Secretariat)

SUMMARY

This paper presents the status of implementation of the conclusions and decision of the second meeting of the AFI Frequency Management Group held in Dakar, Senegal from 18 to 19 April 2011.

Action by the meeting is at paragraph 3

REFERENCES: Report of the second meeting of AFI/FMG

Related ICAO Strategic Objectives: A: *Safety*; B: *Air Navigation Capacity and Efficiency*,

**Related ASBU Bloc 0 Modules, Performance Improvement Areas and Applications:
*All supported by CNS infrastructure***

1. INTRODUCTION

1.1 The Sixteenth meeting of the AFI Planning and Implementation Regional Group (APIRG/16) in Rubavu, Rwanda, 19-23 November 2007 under **Conclusion 16/32**, established the AFI Frequency Management Group (**AFI/FMG**) which has been conducting its activities since its first meeting in Dakar, Senegal from 1st to 2nd October 2009.

1.2 The second meeting of the AFI /FMG was held in Dakar, Senegal from 18 to 19 April 2011.

This working paper presents the review of the status of implementation of the conclusions and decision of the meeting.

2. DISCUSSION

2.1 The second meeting of AFI/FMG considered the agenda items submitted to its deliberations and prepared the ANSPs seminar on aeronautical frequency spectrum which was held in Dakar from 20 to 22 April 2011. The status of implementation of these conclusions is presented in **Appendix A**.

2.2 Analysing the status of implementation of these conclusions and decision, it can be noted that a lot of work has been done. However the remaining conclusions need to be reviewed updated and implemented.

2.4 The AFI/FMG/2 meeting also developed a work programme for the future actions of the Group as presented in **Appendix B**.

This Action Plan was adopted by APIRG/18 under its **Conclusion 18/22** which reads as follows:

Implementation of AFI FMG Action Plan

That AFI States and Organizations implement the Action Plan proposed by the AFI Frequency Management Group as shown at Appendix 3.4D to this report.

3. ACTION BY THE MEETING

The meeting is invited to:

- a) Take note of the information given;
- b) Review and comment and update the status of implementation of these Conclusions and Decision and the Action Plan as presented in the **Appendices to this working paper**.

APPENDIX A

Follow up of the Conclusion/Decisions of the second meeting of the AFI Frequency Management Group

Number	Title	Action by	Target Date	Status of Implementation
Agenda Item 1	Election of the Rapporteur of the Frequency Management Group			
Decision 2/01	Election of the Rapporteur That the <i>Agence pour la Sécurité de la Navigation Aérienne en Afrique et à Madagascar</i> (ASECNA) be assigned the role of Rapporteur of the Africa-Indian Ocean (AFI) Planning and Implementation Regional Group (APIRG) Frequency Management Group (AFI/FMG).	AFI/FMG	Immediate	Implemented
Conclusion 2/02	Terms of reference of the Group Rapporteur That, considering the critical role of the Group Rapporteur in regional coordination activities: <ul style="list-style-type: none"> a) the Secretariat develop the terms of reference for the Rapporteur of the AFI Frequency Management Group for consideration by the next meeting of the APIRG Communications, Navigation and Surveillance Sub-group (CNS/SG); and. b) the Administration/Organization discharging the function of AFI FMG Rapporteur should secure the necessary resources to ensure that the designated Officer is available to participate in all activities of relevance to his/her mandate. 	ICAO ASECNA	 Not planned	Implemented ToRs developed and adopted by APIRG Implemented The Rapporteur participates to various frequency meetings
Agenda Item 2	Follow up of the Conclusions and Decisions of the First Meeting of AFI Frequency Management Group (AFI/FMG/1) (September 2009)			
Conclusion 2/03	Regulatory provisions for the use of VSAT technology in the AFI Region That, in accordance with ITU WRC/07 Recommendation 724 (WRC-07) on the use by civil aviation of frequency allocations on a primary basis to the fixed-satellite service, the AFI Frequency Management Group pursue its follow up action aimed to: <ul style="list-style-type: none"> a) protect the use of Fixed Satellite Service (FSS) for the provision of aeronautical telecommunications services, including aeronautical fixed service, aeronautical mobile service, aeronautical surveillance and aeronautical radionavigation service, in the interest of public safety; and b) establish corresponding national regulatory provisions. 	ICAO & States	Continuous Task 31/12/2012	Implemented Not implemented
Agenda Item 3	Follow up on APIRG/17 Conclusions and Decisions pertaining to Frequency Management issues			
Conclusion 2/04	Coordination of aeronautical telecommunications issues between appropriate authorities at national level	ICAO	31/12/2013	Model to be developed within the timeframe

Number	Title	Action by	Target Date	Status of Implementation
	That the Secretariat should coordinate the development of a model of a national coordination framework to facilitate efficient dialogue between appropriate authorities and resolution of issues related to the provision, the optimum operation and protection of aeronautical telecommunications spectrum, for consideration by the next meeting of the AFI Frequency Management Group.			
Conclusion 2/05	National Policies and Regulations pertaining to aeronautical telecommunications That the ICAO Secretariat should conduct a survey on AFI States policies and regulations pertaining to aeronautical telecommunications, in order to determine the areas in which assistance by the AFI Frequency Management Group is required.	ICAO	31/12/2011	Survey conducted. Data awaited from States
Conclusion 2/06	Implementation of AFI Air Navigation Plan provisions That AFI States should implement all relevant provisions contained in the Air Navigation Plan (ICAO Doc 7474) concerning the planning, coordination, management and protection of the aeronautical radiofrequency spectrum, and related problem reporting procedures, in accordance with ICAO and ITU policies.	States		Stats to report
Conclusion 2/07	Implementation of HF propagation forecast software That, in accordance with SP AFI RAN/08 Recommendation 6/20 (Improvement of air-ground high frequency (HF) communications in the AFI Region through use of ionospheric propagation forecasts): a) ICAO should ensure that States/Air Navigation Service providers implement a harmonized software tool(s) to establish HF propagation forecasts; and b) States/Air Navigation Service providers which have acquired HF propagation forecast software tools should coordinate their trials with all States within the same frequencies allotment areas defined in AFI FASID Chart CNS 2.	ICAO States	31/12/2012	Not implemented. A study Group to be established
Conclusion 2/08	Required Communication Performance (RCP) Training requirements That, in accordance with APIRG Conclusion 17/26 (Implementation of RCP Concept), ICAO organize as a matter of urgency regional workshops/seminars on the RCP concept as stated in the Manual on Required Communication Performance (Doc 9869) in order to facilitate its implementation by AFI States.	ICAO	31/12/2013	Not implemented due to lack of financial Resources. To envisage for next year
Agenda Item 4	Report on the Regional Workshop on Frequency Management and Development of Training Aid (December 2010)			
Conclusion 2/09	Development of Frequency Assignment Planning Tool That: a) States implement the recommendations formulated by the 2010 Regional Workshop on Frequency Management and Development of Training Aid; and	States		Implemented

Number	Title	Action by	Target Date	Status of Implementation
	b) ICAO should finalize/maintain the Frequency Assignment Planning Software Tool, and ensure that all relevant CNS systems are covered to the extent feasible.	ICAO		
Conclusion 2/10	Updating of COM Lists That States: <ul style="list-style-type: none"> a) Review and update their COM Lists 1, 2 and 3, and send updated lists to their accredited ICAO Regional Offices no later than 30 September 2011; b) Provide their national Radio Regulators with updated lists of communications and navigation systems; and c) Pursue the evaluation of the software tool, and submit to ICAO any queries, comments and suggestions no later than 30 September 2011. 	States	30 September 2011	Partially implemented States to report
Conclusion 2/11	Need for pre-operational trials of frequency assignments That, taking into consideration potential sources of interference not included in the ICAO Frequency Assignment database, States should carry out pre-operational trials of frequency assignment projects using the ICAO Software.	States	Not planned	States to report
Agenda Item 5	ICAO Position for ITU WRC-12			
Conclusion 2/12	Development of AFI Strategies in preparation for ITU WRC-12 That, in the spirit of APIRG Decision 17/37 (Follow up of AFI Frequency Management Group (AFI/FMG) Action Plan), active coordination should be maintained between States and all relevant stakeholders when developing regional strategies, including via electronic correspondence, based on ICAO position for ITU WRC-12.	States	Continuous	Implemented but need to be reinforced
Agenda Item 6	Terms of Reference, Future Work Programme and Composition of the Frequency Management Group			
Decision 2/13	Terms of reference, future work programme and composition of the AFI FMG That the terms of reference, work programme and composition of the AFI FMG be amended by the Secretariat based on AFI FMG/2 proposals.	ICAO		Implemented
Agenda Item 7	Any other business			

Number	Title	Action by	Target Date	Status of Implementation
Conclusion 2/14	<p>Integrity of software tools</p> <p>That:</p> <ul style="list-style-type: none"> a) States should establish regulations and procedures to ensure integrity of the software tools being introduced in the management of civil aviation systems; and b) the Rapporteur should coordinate the development of specifications and criteria for software integrity validation, in liaison with Cameroon, Ghana, Morocco, Rwanda and South Africa, and report to the next meeting of the AFI FMG. 	States and Study Group	31/12/2013	ASECNA and States to report
Conclusion 2/15	<p>Deployment of SMC frequencies at aerodromes</p> <p>That the deployment of aeronautical frequencies assigned to surface movement control (SMC) at aerodromes should be based on operational considerations and safety analyses.</p>	States	Continuous	States and ANSPs to report

APPENDIX B
AFI Frequency Management Group (FMG) Action Plan

Action	By	deadline	Status of implementation
Development of the Terms of Reference for the Rapporteur of the AFI Frequency Management Group	Secretariat	30/06/2011	Completed
Allocation of necessary resources to ensure that the designated Officer is available to participate in all activities of relevance to his/her mandate	ASECNA	Continuous	Completed in 2011 and 2012 through hosting of AFI FMG/2 and WRC-12 preparatory workshop, as well as attendance at WRC-12.
Establishment of national regulatory provisions to protect the use of Fixed Satellite Service (FSS) for the provision of aeronautical telecommunications services	States/ICAO	31/12/2012	Follow up action to be taken on implementation of Recommendation 724 (WRC-07)
Development of a model of a national coordination framework to facilitate efficient dialogue between appropriate authorities and resolution of issues related to the provision, the optimum operation and protection of aeronautical telecommunications spectrum,	States/ICAO	31/12/2013	
Survey on AFI States policies and regulations pertaining to aeronautical telecommunications, and determination of areas of required assistance by AFI /FMG	ICAO	31/12/2011	Survey conducted. Data awaited from States
Coordination of trials on HF Propagation forecast with all States within the same frequencies allotment areas defined in AFI FASID Chart CNS 2.	States/ANSPs	31/12/2012	AMS Survey conducted in 2012, in coordination with IATA
Organization of regional workshops/seminars on the RCP concept (Doc 9869) as called for by APIRG Conclusion 17/26 to facilitate its implementation by AFI	ICAO	31/12/2013	
Review and update AFI database COM Lists	States/ICAO	31/12/2012	AFI COM Lists No.1, 2 and 3 are being updated in coordination with States
Finalization and maintenance of the Frequency Assignment Planning Software	States/ICAO	31/12/2012	Software under evaluation by ICAO Regional Offices
Coordination between States and stakeholders for the development of regional strategies,	States/ICAO	31/12/2013	AUSCA to be established in tandem with the Industry
Specifications and criteria for software integrity validation	Rapporteur Cameroon, Ghana, Morocco, Rwanda and South Africa	31/12/2013	