

AFI/FMG/2 – DAKAR
APRIL 2011

INTERNATIONAL CIVIL AVIATION ORGANIZATION



Second Meeting of the AFI Frequency Management Group

(AFI/FMG/2)

(Dakar, Senegal, 18 – 19 April 2011)

REPORT

Prepared by ICAO Secretariat

April 2011

The Frequency Management Meeting is as a result of the AFI Planning and Implementation Regional Group (APIRG), Conclusion 16/32.

Its Reports are therefore submitted to APIRG through the CNS Sub-Group for review and action.

The designations employed and the presentation of the material in this publication do not imply the expression of any opinion whatsoever on the part of ICAO concerning the legal status of any country, territory, city or area or of its authorities, or concerning the delimitation of its frontiers or boundaries.

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PART I – HISTORY OF THE MEETING

1. Introduction

1.1 The Second Meeting of the AFI Frequency Management Group (AFI/FMG/2) was held in the Conference Room of the Agency for the safety of aerial navigation in Africa and Madagascar (ASECNA) Headquarters in Dakar, Senegal, from 18 to 19 April 2011.

1.2 The main objective of the meeting was to address the work programme assigned to the AFI Frequency Management Group by the AFI Planning and Implementation Regional Group (APIRG) under its Conclusion 16/32, including issues related to the preparation of the International Telecommunication Union (ITU) World Radiocommunication Conference of 2012 (WRC-12).

1.3 After a welcome address by **Mr. Wodiaba Samake**, Ag. Director, Technical Operations of ASECNA, on behalf of **Mr. Amadou Ousmane Guitteye**, Director General of ASECNA, the meeting was opened by **Mr. Benoit Okossi**, Regional Officer for Aeronautical Meteorology, on behalf of the ICAO Regional Director for Western and Central Africa.

2. Attendance

2.1 The meeting was attended by forty two (42) participants from thirteen (13) Contracting States, two (02) Regional Air Navigation Service Providers (ASECNA and Roberts FIR) representing twenty (20) AFI Contracting States two (02) International Organizations (ITU and African Broadcasting Union-ABU) and the Telecommunication Regulation Authority of Senegal. A list of participants is provided at **Appendix A**.

3. Officers and Secretariat

3.1 The meeting elected **Mr. Patrick RANDRIANASOLO**, Aeronautical Telecommunications Manager, ASECNA Headquarters as Chairman. **Mr. Francois Xavier SALAMBANGA**, Regional Officer, Communications, Navigation and Surveillance (CNS) from the ICAO Regional Office for Western and Central Africa (Dakar), acted as Secretary of the Frequency Management Group.

3.2 He was assisted by **Mr. Prosper ZO'O MINTO'O**, Regional Officer, Communications, Navigation and Surveillance from the ICAO Eastern and Southern Africa Office (Nairobi), Secretary of the APIRG Communications, Navigation and Surveillance Sub-group (CNS/SG).

4. Working language

4.1 The meeting was conducted in English and the meeting documentation was issued in this language. However, translation service was graciously provided by the ICAO Secretariat to facilitate the discussions.

5. Agenda and Work Programme

5.1 The adopted the following agenda:

Agenda Item 1: Election of the Rapporteur of the Frequency Management Group

Agenda Item 2: Follow up of the conclusions and decisions of the first meeting of AFI Frequency Management Group (AFI/FMG/1) (September 2009)

Agenda Item 3: Follow up on APIRG/17 Conclusions and Decisions pertaining to Frequency Management

Agenda Item 4: Report on the Regional Workshop on Frequency Management and development of training aid (December 2010)

Agenda Item 5: Position of ICAO and preparation for the World Radiocommunication Conference 2012 (WRC/12)

5.1: ICAO position for WRC 12 and Activities of ACP WG F

5.2: Report on ATU meeting (February 2011)

5.3: Report on CPM meeting

Agenda Item 6: Terms of Reference and future Work programme of AFI/FMG

Agenda Item 7: Any other business

6. Summary of Conclusions and decisions

The following conclusions and decisions were formulated by AFI/FMG/2 meeting:

Number	Title
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 (ASECNA)</i> be assigned the role of Rapporteur of the Africa-Indian Ocean (AFI) Planning and Implementation Regional Group (APIRG) Frequency Management Group (AFI/FMG).
Conclusion 2/02	Terms of reference of the Group Rapporteur That, considering the critical role of the Group Rapporteur in regional coordination activities: 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.
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: 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.
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 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.
Conclusion 2/06	Implementation of AFI Air Navigation Plan provisions

Number	Title
	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.
Conclusion 2/07	<p>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):</p> <ol style="list-style-type: none"> 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.
Conclusion 2/08	<p>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.</p>
Agenda Item 4	Report on the Regional Workshop on Frequency Management and Development of Training Aid (December 2010)
Conclusion 2/09	<p>Development of Frequency Assignment Planning Tool That:</p> <ol style="list-style-type: none"> a) States implement the recommendations formulated by the 2010 Regional Workshop on Frequency Management and Development of Training Aid; and b) ICAO should finalize/maintain the Frequency Assignment Planning Software Tool, and ensure that all relevant CNS systems are covered to the extent feasible.
Conclusion 2/10	<p>Updating of COM Lists That States:</p> <ol 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.
Conclusion 2/11	<p>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 cleared using the ICAO Software.</p>

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.
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 <i>by the Secretariat based on AFI FMG/2 proposals.</i>
Agenda Item 7	Any other business
Conclusion 2/14	Integrity of software tools That: 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.
Conclusion 2/15	Deployment of SMC frequencies at aerodromes That the deployment of aeronautical frequencies assigned to surface movement control (SMC) at aerodromes should be based on operational considerations and safety analyses.