



INTERNATIONAL CIVIL AVIATION ORGANIZATION

AFI PLANNING AND IMPLEMENTATION REGIONAL GROUP

FOURTH MEETING OF THE COMMUNICATION, NAVIGATION AND SURVEILLANCE SUB-GROUP  
CNS/SG/4

(Dakar, Senegal, 25 – 29 July 2011)

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**Agenda Item 8: Aeronautical Radio Frequency Spectrum Issues.**

**Frequency Management Group Activities**

(Presented by ASECNA)

**SUMMARY**

The present working paper provides information on the AFI/FMG second meeting, the activities of the group and the ITU WRC 12 preparatory.

**References:**

- Conclusion 16/ of APIRG 16 meeting;
- Conclusion 17/34, 17/35, 17/36 and 17/38 of APIRG 17 meeting.

**1. Introduction:**

The safety of the air navigation depends on the reliability of Communications, Navigation and Surveillance system. Now, these means need radio frequencies in their functioning. With the results of the ITU World Radio communication Conference of 2007 (ITU WRC 07), by its conclusion 16/32, APIRG recommended the creation of a frequency management group for the AFI Region.

Indeed, the frequencies became rare commodities then the management of the aeronautical spectrum is necessary to avoid harmful interferences.

On the other hand, in front of the increasing needs in frequency band for other applications, the aeronautical community, with ICAO, defined its position for the ITU World Radio Communication conference of 2012 (ITU WRC 12). The main objective is to protect the aviation spectrum.

At the level of the Region AFI, conclusions of APIRG 17 meeting, in reference above, incite member States in this management of frequencies and ask for the support of the ICAO position for ITU WRC 12 in national or regional preparatory meeting.

**2. AFI/FMG activities:**

The group held its second meeting on April 18th and 19th, 2011 in Dakar, Senegal. Below, the results of this meeting:

**2.1. Rapporteur of the AFI/FMG:**

The meeting recognized the role which should hold the AFI/FMG rapporteur in his activities of regional coordination and took a draft conclusion on this issue. So, the secretariat should propose the corresponding terms of reference for the rapporteur and Administration/Organization

discharging this function should secure the necessary resources to ensure the availability of the rapporteur to participate in all activities of relevance to his mandate.

## **2.2. Follow up of the AFI/FMG 1 conclusions and decisions:**

A conclusion was made on the actions make with regard to the recommendation 724 of the ITU WRC 07 relative to the use, by the civil aviation on a primary basis, of VSAT equipment for the fixed service by satellite (FSS). It was asked that the Group pursues its follow up action to protect this result for the provision of the air navigation community including AFS, AMS, ARNS and aeronautical surveillance in the interest of public safety and establishes the corresponding national regulatory provisions.

## **2.3. Follow up on APIRG 17 conclusions and decisions pertaining to frequency management issues:**

To ensure the follow up of these conclusions and decisions pertaining to frequency management issues, the meeting identified following points, and for each point, conclusions was made:

- The coordination of aeronautical telecommunication issues between appropriate authorities at national level;
- The national policies and regulations pertaining to aeronautical telecommunications;
- The implementation of AFI Air Navigation Plan provisions;
- The Implementation of HF propagation forecast software;
- The needs of training concerning the implementation of RCP.

## **2.4. Report of workshop on frequency management and development of training aid:**

Three conclusions were made regarding the frequency management tool (software), the update of the COM tables of the AFI Region and the necessity of doing pre operational trials for frequency assignment to avoid interferences, by using the software tool and report the results to the ICAO regional offices.

## **2.5. ICAO position for ITU WRC 12:**

It was discussed and a conclusion was made so that States/Organizations should maintain efforts in the development of a regional strategy, with stakeholders, based on the ICAO position.

## **2.6. Any other business:**

Two conclusions were made in this agenda item and concerning the integrity of the frequency management tool and the deployment of SMC frequencies for aerodromes.

## **3. Preparation of the ITU WRC 12 at the level of the AFI Region:**

The ICAO Position for the World Radio communication Conference of 2012 was adopted by the Council in June, 2011.

On the other hand, activities took place in the AFI Region to support this ICAO position in particular:

- The workshop of Nairobi on the Frequency management where a pertinent conclusion was made;

- The meetings of the African Telecommunication Union (ATU) held in Abuja on February, 2011 and in Algiers on July, 2011. In these two meetings, the ICAO position was exposed and supported;
- The preparatory seminar, held in Dakar on April, 2011, for ANSP of the AFI Region where, after the sharing information about the functioning of the ITU and the preparation of such World Conference, the agenda items of the ITU WRC 12 were discussed and explained to the participants. The ICAO position concerning 1.3, 1.4 and 1.7 agenda items was developed.

#### **4. Conclusion:**

The meeting is invited:

- to take note of the information communicated above;
- to put in appendix to its report the ICAO position for the ITU WRC 2012 adopted by the Council in June, 2011;
- to adopt the conclusions of the second meeting of AFI / FMG and propose them to the APIRG 18 meeting.