



**Telecommunication
Development Bureau (BDT)**

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Subject: **Cross-border Frequency Coordination: Harmonized Calculation Method (HCM) for Sub-Sahara Africa**

Dear Sir/Madam,

I have the pleasure to inform you of the commencement of an important activity within the framework of the HIPSSA Project: **Harmonized Calculation Method (HCM) for Sub-Sahara Africa**. This activity has been identified as a key component of the HIPSSA Project during its launching meeting.

In the coming weeks, the ITU team of experts will gather and compile all the information related to cross border frequency coordination within the different Sub-Sahara Africa regions. For this, **your country is requested to fill in the enclosed questionnaire** and provide the name and contact details of the person who will act as the focal point for spectrum management matters in your country. The focal point and the appointed regional experts will from time to time exchange information on the subject matter whenever the need arises. The deadline for submission of the questionnaire duly completed is **Friday, 8 April 2011**.

The ITU team of experts is composed of the following persons: Mr. Shola TAYLOR, senior international expert in charge of coordination; Mr. Zoltan ZSUFFA, HCM international expert; Mr. Jean Ahmed BOREAU, regional expert for West Africa; Mr. Andrew KISAKA, regional expert for East Africa; Mr. Hilaire MBEGA, regional expert for Central Africa; and Mr. Carlos Alberto ALAIS, regional expert for Southern Africa.

Some of the regional organizations have already introduced procedures dealing with this activity. These existing provisions will be taken into account in the preliminary assessment study and based on the study's results, this project intends to produce a multilateral agreement including a harmonized calculation process, characterized by transparency and accuracy, and accepted by all the participating countries.

As you may recall, the HIPSSA project is a sub-project of the global ITU-EC Project encompassing Sub-Sahara Africa, the Caribbean and the Pacific supported by the European Commission (EC). All the information related to the project is available at the following address: http://www.itu.int/ITU-D/projects/ITU_EC_ACP/

Should you require additional information on the development of this new activity, please contact Mr. Jean-François Le Bihan, HIPSSA Project Coordinator (E-mail: Jean-Francois.LeBihan@itu.int, Tel.: +251 (11) 551 49 77).

I take this opportunity to thank you for your active contributions, which have been fundamental to the success of the project and look forward to continuing our collaboration over the duration of this project and beyond.

Yours faithfully,

[Original signed]

Brahima Sanou
Director

Cc : Ms. Asenath Mpatwa, Acting Regional Director, ITU Regional Office for Africa
Head of Regulatory Authorities

Annex: “Cross-border frequency coordination: Harmonized Calculation Method (HCM) for Africa”
Questionnaire



ITU-EC Project

Harmonized ICT Policies in the ACP countries

www.itu.int/ITU-D/projects/ITU_EC_ACP/

Support for Harmonization of the ICT Policies in Sub-Sahara Africa

Cross-border frequency coordination: Harmonization Calculation Method (HCM) for Africa

Questionnaire

A. RESPONSIBILITY FOR FREQUENCY COORDINATION

1. Which body is responsible for frequency co-ordination in your country?
 - 1.a. for broadcasting services
 - 1.b. for civil bands
 - 1.c. for governmental use
 - 1.d. for security (military, etc.) services, if different from above
2. Do you experience any challenges between the different bodies handling the management of frequency bands above? If so, please provide a short brief.

B. NATIONAL & REGIONAL TABLE OF FREQUENCY ALLOCATIONS

3. Does your country have a National Table of Frequency Allocations? If yes, please provide us a copy electronically. Point out the main differences, if any, between your current allocations and the ITU Table of Frequency Allocations.
4. If your country does not have a National Table of Frequency Allocations, could you point out the main differences between your current allocations and the ITU Table of Frequency Allocations?
5. If your region has a Regional Band Plan, please provide us with an electronic copy.

C. FREQUENCY COORDINATION PROCEDURES

6. Does your country have a framework (administrative procedures and technical provisions) for cross-border frequency coordination? If so, please provide us an electronic copy.
7. Does your country have one or more cross border frequency coordination agreements? If so, how many? Please provide us a sample electronic copy of each one.
8. If your country experience interference coming from across the border, do you have a procedure in place to handle this? If yes, please provide us with an electronic copy.
9. Please indicate in a tabular form the bands, the services, the neighboring country/countries involved and the periodicity i.e. how often your country experience such interference problems.
10. Please indicate in a tabular form the bands, the services, the neighboring country involved and the periodicity i.e. how often your country conduct frequency coordination across borders.
11. If possible, can you make available examples of actual successful approaches to handle coordination or interference cases and how long it took to handle the different cases?
12. If possible, can you made available examples of actual unsuccessful approaches to handle coordination or interference cases?

13. Can you provide in a tabular form those bands, services, neighboring countries involved and priorities, that you consider requires frequency coordination across the different borders with neighboring countries?
14. Does your country have a frequency register for storing the co-ordination results? If yes, please provide us an example on an electronic copy where all the fields considered are indicated.
15. Does your country have predefined coordination category (preferential, shared, etc.)?

D. DATA EXCHANGE FORMAT FOR COORDINATION PURPOSES

16. If you have different data formats for the exchange of relevant information, can you provide in a tabular form, the respective formats per bands (and if different, per services).
17. Indicate what kind of data exchange format and method(s) do you prefer: CD/DVD, internet (mail, ftp, etc.), paper or any other?

E. TOOLS AND DATABASE USED

18. Indicate what type of ITU tools, database and in which cases you use for coordination or registration.
19. Indicate with certain detail any other tool used for coordination or interference resolution, whether self developed or purchased.
20. Indicate in a tabular form the propagation models and/or methods used per bands and services.
21. In cases where you use digital terrain data for interference calculations indicate:
 - 21.a. the use of elevation and/or morphological data,
 - 21.b. the type of geographical projection system do you use,
 - 21.c. the level of the resolutions of the terrain data that you use close to the different borders
 - 21.d. the point or line whereof the calculation is made
22. In case that you use maps, what is the resolution of them to determine the relevant terrestrial profiles?