



## ITU-EC Project

### Harmonized ICT Policies in the ACP countries

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

### Call for application n° HIPSSA/G-3.6 (d) [PM]

**Title:** Senior international spectrum management expert

**Country:** Work at home

**Type of contract:** Special Service Agreement (SSA) for a lumpsum

**Starting date:** 15 February 2011

**Ending date:** 30 April 2011

**Duration of appointment:** Approximately 25 working days

**Payment:** Lumpsum of 8500 USD

*The remuneration offered cannot be higher than **340 USD** per working day for an International P-5. Both base salary adjustment and DSA are based on location and subject to variation. For detailed information, please refer to conditions of employment for ITU technical assistance project personnel.*

#### **Description of duties:**

##### Introduction

This ITU-EC joint project for "Harmonisation of ICT Policies in Sub-Sahara Africa" (HIPSSA) is building on the experienced gained with a pilot project funded by European Commission (EC) and ITU that led to the adoption of Additional Acts for telecommunications to the ECOWAS Treaty. It aims at developing and promoting harmonized policies and regulatory guidelines for the ICT market as well as building human and institutional capacity in the field of ICT through a range of targeted training, education and knowledge sharing measures. This project will result in the creation of harmonized regional and national policy, legal and regulatory frameworks conducive to significant investments in the ICT infrastructures and services.

##### Description of duties

The senior international expert shall work under the supervision of the ITU-EC Project Manager for Harmonization of ICT Policies in ACP countries, the direction of ITU-EC HIPSSA Project Coordinator and in close collaboration with the Telecommunication and Post Division (DTP) at the Infrastructure and Energy Department (IED) of the African Union Commission (AUC), the Senior Engineer for spectrum management of BDT Technologies and Network Development (TND) division and the ITU Regional Office for Africa (RO-AFR).

The senior international expert (see HIPSSA/G-3.6) will be in charge of the overall coordination and quality insurance of the assignments of all experts within the team and assume the liaison with the African Union Commission and as required with the African Telecommunication Union (ATU) and African Broadcasting Union (ABU).

The senior international expert shall also consult the stakeholders such as the African Telecommunication Union (ATU) and the African Broadcasting Union (ABU) among others.

The senior international expert will be part of a team including four (4) regional experts (see HIPSSA/G-3.1, HIPSSA/G-3.2, HIPSSA/G-3.3 and HIPSSA/G-3.4) and an international expert (see HIPSSA/G-3.5) and shall assume the overall coordination of the team. The team is responsible for conducting an assessment

study on existing cross-border frequency coordination mechanisms in Sub Saharan Africa and a cost-benefit analysis of a pan-African multilateral agreement.

The regional experts (see HIPSSA/G-3.1, G-3.2, G-3.3 and G3.4) will be responsible for conducting the assessment study in their respective geographical region (West, Central, East and Southern Africa). This assessment will include performing a survey and a comparative analysis of existing administrative and technical procedures related to bilateral and multilateral cross-border frequency coordination agreements with the Harmonized Calculation Method (HCM) as implemented in Europe.

The international expert (see HIPSSA/G-3.5) will be responsible for (i) providing a presentation of the HCM agreement, related procedures and tools, (ii) providing the regional experts with a common questionnaire for the survey and a common template for the comparative analysis, (iii) consolidating the sub-regional assessments and (iv) conducting a gap analysis to identify needs across the sub-regions and the cost-benefit analysis related to the introduction of a pan-African multilateral agreement under the aegis of the African Union.

The mission will be conducted in four stages as follows:

#### **1. Presentation of the Harmonized Calculation Method (HCM)**

1.1. The senior international expert shall review, discuss and provide written comments to the senior international expert the executive summary and the report on HCM provided by the international expert.

#### **2. Common templates for survey and comparative analysis**

2.1. The senior international expert shall review, discuss and provide written comments on the draft template for the comparative analysis and the draft questionnaire for the survey proposed by the international expert.

#### **3. Sub-regional survey and comparative analysis**

3.1. The senior international expert shall provide review, discuss and written comments on the draft regional reports provided by the regional experts.

#### **4. Finalisation of the study**

4.1. The senior international expert shall review, discuss and provide written comments on the draft final report provided by the international expert.

(Note: The final report will be presented and reviewed at during a workshop of a Technical Working Group to be formed under the aegis of the African Union Commission in 2011. Additional Terms of reference will be provided if required by follow up actions.)

#### **Concrete deliverables:**

1. Written comments on the questionnaire for the interviews.
2. Written comments on the template for comparative analysis
3. Written comments on the consolidated regional reports
4. Written comments on the consolidated final report of the assessment study including
  - 4.1. the main findings of the survey,
  - 4.2. the comparative analysis,
  - 4.3. the gap analysis identifying common needs across Africa and
  - 4.4. the cost-benefit analysis of introducing a pan-African common agreement
  - 4.5. the proposal for the adaptation of the existing HCM Agreement

Deliverables shall be drafted in English with the document template provided by the HIPSSA Project Team and shall include mandatorily the ITU and EC logos including in all slides presentations.

(Note: the copyright of all documents produced under the project shall be vested with ITU and AU Commission.)

**Qualifications and experience:**

1. Advanced university degree in electrical engineering, telecommunications, physics or relevant fields, OR education in a reputed college of advanced education with a diploma of equivalent standard to that of an advanced university degree in one of the above-mentioned fields. The education of the successful candidate shall include physics applied to radio-waves propagation and radio-communications engineering.
2. At least 10 years of progressively responsible experience in the field of frequency management.
3. Long standing experience of administrative and technical procedures related to frequency allocation and management. The successful candidate shall have
  - 3.1. Knowledge of the HCM Agreement in Europe.
  - 3.2. Been in charge of allocating frequencies with the corresponding/responsible national government agency and/or
  - 3.3. Worked with a wireless network operator or a engineering service company in a position
    - 3.3.1. requiring frequency planning and management and
    - 3.3.2. interactions with the above mentioned government agency
    - 3.3.3. possibly involved in international frequency coordination
  - 3.4. Gathered work experience in more than one country in the targeted sub-region.
  - 3.5. Familiarity with ITU-R rules and regulations as well as operational and administrative procedures.
4. Involvement with WRC or related regional forum is an advantage.

**Languages:**

Excellent knowledge of English. Outstanding written communications skills.

Knowledge of another African Union official language (French, Portuguese or Arabic) is an advantage.

***Please address applications, quoting above reference , to:***

Mr. Sandro BAZZANELLA

ITU-EC Project Manager

International Telecommunication Union

Place des Nations, CH-1211 GENEVA 20, SWITZERLAND

***with your Personal History File (PHF) and a short written proposal to the following email address:***

**hipssa@itu.int**