



International Telecommunication Union

**REGIONAL OFFICE FOR AFRICA**

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Addis Ababa, 18 March 2013

"ITU Members States, Regulators  
and ITU-D Sector Members in Africa"

Subject: ITU regional workshop on the Spectrum Management System For Developing Countries (SMS4DC) for English Speaking countries in Africa, Abuja, Nigeria, 20 to 31 May, 2013.

Dear Sir/Madam,

On behalf of the International Telecommunication Union (ITU), we would like to invite your organization to participate in a workshop on SMS4DC for English Speaking countries in Africa, to be held in Abuja, Nigeria from 20 to 31 May, 2013. The workshop is kindly hosted by the Federal Ministry of Communication Technology 2nd Floor, Blk 5B, Room 210, New Federal Secretariat Shehu Shagari Way, Abuja, FCT Nigeria. This seminar is organized and held in English only. Participants are asked to bring their laptops and USB keys to work in the workshop

The workshop aims at providing an in-depth technical foundation to the development and implementation of the SMS4DC. In particular, it will provide participants with the knowledge, tools and resources required to meet their expectations. The programme covers the issues of information gathering and management relating to the SMS4DC management in order to propose appropriated solutions. In particularly workshop will explain a wide range of the SMS4DC implementation and management approaches and knowledge as follows:

- Spectrum Management Definition; Spectrum Management Framework; Radio regulations
- Engineering Analysis Functions; Graphical User Interface Functions
- Spectrum Planning framework; International Table of Frequency Allocations; National Table of Frequency Allocations; Editing National Plan and Footnote
- SMS4DC Spectrum Allocation Chart; SMS4DC Frequency arrangement
- Channel Arrangements VHF, UHF, SHF using SMS4DC; Spectrum Licensing
- SMS4DC Licensing Process; Import from BR IFIC database to SMS4DC; Point to point, point to multipoint, point to area radio networks Establishment in SMS4DC
- Frequency Assignments in SMS4DC; Notification of frequency Assignment for recording in the MIFR using SMS4DC; Propagation Models
- Network calculation, aggregate field strength, maximum server and best server analysis, coverage area, using SMS4DC
- Link budget, visibility and availability calculation in point to point systems
- GE84 plan using SMS4DC; Interference Analysis; GE06 plan using SMS4DC; GE06 Coordination; GE06 coverage area, service area calculations; GE06 interference analysis
- User defines Agreement using SMS4DC ; Border coordination using SMS4DC
- Satellites Introduction/Coordination; Earth Station Creation in SMS4DC; Import Space Radio-

- communication Station (SRS); Database into SMS4DC; Earth Station Coordination Contours
- Earth Stations Inference Calculation using SMS4DC; Spectrum Monitoring; Interference Calculation in SMS4DC; Interface to monitoring systems
- Practice exercises

Target Group

This workshop is addressed to functional Managers who deal with the national legislation controls in the management of the spectrum; the senior Staff in legislation and policies in the management of Spectrum; ministries' staff who have received the authority to manage the spectrum who desire to increase their qualifications in the fields of SMS4DC to gain a better appreciation of the overall analytic process and to reinforce their essential core capabilities on SMS4DC..

The trainees have to have basic knowledge on spectrum management (e.g. wave propagation, interference calculation, licensing process). The academics, the trainers in Radio communications in training centers, are also welcome to participate in this Regional workshop. The trainees have to have basic knowledge on spectrum management (e.g. wave propagation, interference calculation, licensing process).

There is no registration fee for participating in this workshop. However, please note that all expenses concerning travel, accommodation, meals, and insurance of participants should be borne by your organization.

Given the limited number of seats, it is recommended that only one participant per country past the time limit specified, the commission may distribute the vacancies. If you wish to participate in this workshop, please complete the attached Registration Form (Annex 1) and return it to the contact persons indicated in the form, by no later than, 3 May , 2013.

Delegates are encouraged to participate actively in the workshop by sharing experiences and best practices and fully fill the Preparatory Questions for SMS4DC installation, training and efficient use (Annexe2) and submitting it as soon as possible by e-mail to the attention of the ITU Coordinator, Mr. Diadie Toure (diadie.toure@itu.int, +221 33 849 77 20/18) with a copy to Mr. Bozsoki, Istvan <istvan.bozsoki@itu.int>. All additional information on this workshop, including information note for participants as well as a list of recommended hotels can be found on the ITU Academy portal at the aforementioned link.

I am looking forward to your positive response and active participation in this regional workshop.

Yours faithfully,

Andrew RUGEGE  
Regional Director for Africa



CC: Mr. Brahim Sanou, Director, BDT