ITU Arab Regional Training Workshop on Spectrum Management System for Developing Countries (SMS4DC), Djibouti, 14-18 June,2015

DRAFT PROGRAM

Brief Description:

The training workshop aims to provide the participants with the methods and techniques of Spectrum Management with focusing on Spectrum Management System for Developing Countries (SMS4DC).

Among other issues related to the opportunities and benefits offered by Spectrum Management System for Developing Countries (SMS4DC), the following areas will be covered:

1. Introduction to SMS4DC, Administrative Functions of SMS4DC, Engineering Analysis Functions and Graphical User Interface Functions
2. International Table of Frequency Allocations; National Table of Frequency Allocations; SMS4DC Spectrum Allocation Chart
3. SMS4DC Frequency arrangement; Channel Arrangements VHF,UHF,SHF using SMS4DC
4. Spectrum Licensing ; Import from BR IFIC database to SMS4DC
5. Frequency Assignments in SMS4DC; Notification of frequency Assignment for recording in the MIFR using SMS4DC
6. Propagation Models using SMS4DC; Link budget, visibility and availability calculation in point to point systems;
7. GE84 and GE06 plans using SMS4DC;
8. Country Frequency border coordination using SMS4DC;
9. Satellites Introduction; Earth Station Creation in SMS4DC; Import Space Radio-communication Station (SRS) Database into SMS4DC ; Earth Station Coordination Contours and Earth Stations Inference Calculation using SMS4DC.

Day 1: Sunday,14 JUNE 2015	
08:30-09:00	**Registration**
09:00-09:20	OPENING SESSION - **ITU ARAB REGIONAL OFFICE REPRESENTATIVE** - **MCPT REPRESENTATIVE**
09:20-11:20	**SESSION 1** • Spectrum Management Definition • Spectrum Management Framework • Radio regulations • Introduction to SMS4DC • Administrative Functions of SMS4DC • Engineering Analysis Functions • Graphical User Interface Functions • Practice exercises
11:20-12:30	Coffee break

12:30-14:00	**SESSION 2** • Spectrum Planning Framework • International Table of Frequency Allocations • National Table of Frequency Allocations • SMS4DC Spectrum Allocation Chart • Practice exercises
Day 2: Monday,15 JUNE 2015	
09:00-11:00	**SESSION 3** • SMS4DC Frequency arrangement • Channel Arrangements using SMS4DC • Spectrum Licensing • Access to SMS4DC Licensing Process • Practical exercises
11:00-11:15	Coffee break
11:15-14:00	**SESSION 4** • Import from BR IFIC database to SMS4DC • Point to point, point to multipoint, point to area radio networks Establishment in SMS4DC • Practical exercises
Day 3: Tuesday,16 JUNE 2015	
09:00-11:00	**SESSION 5** • Frequency Assignments in SMS4DC • Notification of frequency Assignment for recording in the MIFR using SMS4DC • Understanding of the Items under Data base Menu • Propagation Models • Radio propagation fundamentals • Practical exercises
11:00-11:15	Coffee break
11:15-14:00	**SESSION 6** • Types of Communication • Parameters of different Propagation Models in SMS4DC • 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 • Practical exercises

	Day 4: Wednesday,17 JUNE 2015
09:00-11:00	**SESSION 7** • GE84 plan using SMS4DC • Practical exercises • Interference Analysis • GE84 Coordination • GE06 plan using SMS4DC • Practical exercices
11:00-11:15	Coffee break
11:15-14:00	**SESSION 8** • GE06 Coordination • GE06 coverage area, service area calculations • GE06 interference analysis • User define Agreement using SMS4DC • Border coordination using SMS4DC • Practical exercises
	Day 5: Thursday,18 JUNE 2015
09:00-11:00	**SESSION 9** • Satellites Introduction/Coordination • Earth Station Creation in SMS4DC • Import Space Radio-communication Station (SRS) Database into SMS4DC • Earth Station Coordination Contours • Practical exercices
11:00-11:15	Coffee break
11:15-13:30	**SESSION 10** • Earth Stations Inference Calculation using SMS4DC • Spectrum Monitoring • Interference Calculation in SMS4DC • Interface to monitoring systems • Practice exercises
13:30-14:00	**TRAINING WRAP-UP** - ITU Academy and SM Training Programme- ITU - closing remarks by ITU and MCPT