



PRIDA Track 1

Capacity building workshop on Modern Spectrum Management and related software (SMS4DC)

On-line English workshop. 20th April to 1st May 2020

Times correspond to Central Africa Time (GMT+2): Cairo, Gaborone, Harare, Johannesburg, Khartoum, Kigali, Lusaka, Maputo, Tripoli

Agenda

DAY ONE Monday 20 April	
10:00 – 10:15	Welcoming Speeches by the ITU Regional Director for Africa and the PRIDA ITU Project Manager
10:15 –12:30	Spectrum harmonisation , How the regional organisations and industry associations can complement the ITU harmonisation efforts. <i>(BDT Expert)</i>
12:30 - 13:15	Mobile infrastructure sharing. <i>(BDT Expert)</i> <ul style="list-style-type: none"> · passive sharing: site and mast sharing, · active sharing: RAN and core sharing, implementing nation-wide Mission Critical Communications networks, competition concerns.
DAY TWO Tuesday 21 April	
10:00 – 11:30	Spectrum use efficiency, economic value and refarming <i>(BDT Expert)</i> <ul style="list-style-type: none"> · Approaches to defining and measuring Spectrum Use Efficiency (SUE) · Methods and means for deriving (comparative) economic value of spectrum Spectrum refarming approaches, challenges and case studies
11:30 –13:15	Spectrum sharing and Dynamic Spectrum Access <i>(BDT Expert)</i> <ul style="list-style-type: none"> · DSA opportunities, issues and challenges, White spaces, Citizens Broadband Radio Service (CBRS) in 3.5 GHz and other case studies, Spectrum pooling.
DAY THREE Wednesday 22 April	
10:00 – 13:15	Spectrum commons; <i>(BDT Expert)</i> unlicensed spectrum; Short Range Devices (SRDs)
DAY FOUR Thursday 23 April	
10:00 – 11:45	ITU-R activities on harmonisation of wireless broadband spectrum: <i>(BR)</i> <ul style="list-style-type: none"> - relevant Study Group activities and outcomes of RA-19 - relevant outcomes of WRC-19 and CPM23-1
11:45 –13:15	ITU-BDT spectrum management activities <i>(ITU BDT TNS)</i>
DAY FIVE Friday 24 April	
10:00 – 11:45	Wireless broadband spectrum awards <i>(BDT Expert)</i> <ul style="list-style-type: none"> · Multiband Spectrum auctions, Administrative incentive pricing. · Coverage obligations, Spectrum caps
11:45 - 13:15	Human Exposure to electromagnetic (EMF) waves <i>(BDT Expert)</i> <ul style="list-style-type: none"> · Human hazards · ITU activities



DAY SIX Monday 27 April	
10:00 – 11:30	Training on SMS4DC – Introduction and installation of SMS4DC system (BDT SMS4DC trainer + ITU BDT TNS)
11:30 –13:15	Training on SMS4DC – Creating the national frequency allocation table -Practical exercise
DAY SEVEN Tuesday 28 April	
10:00 – 11:45	Training on SMS4DC – Frequency arrangements -Practical exercise
11:45-13:15	Training on SMS4DC – Import from BR IFIC -Practical exercise
DAY EIGHT Wednesday 29 April	
10:00 – 11:45	Training on SMS4DC – performing basic engineering functions: coverage calculation and interference analysis -Practical exercise
11:45 –13:15	Training on SMS4DC – performing basic engineering functions: coverage calculation and interference analysis -Practical exercise
DAY NINE Thursday 30 April	
10:00 – 12:00	Training on SMS4DC – performing basic engineering functions: coverage calculation and interference analysis -Practical exercise
12:00 -13:15	Training on SMS4DC – performing basic engineering functions: coverage calculation and interference analysis -Practical exercise
DAY TEN Friday 1 May	
10:00-11:45	Training on SMS4DC – performing cross-border frequency coordination -Practical exercise
11:45-13:00	Training on SMS4DC – performing cross-border frequency coordination -Practical exercise
13:00-13:15	Closing remarks (ROA)