

BDT Activities on Spectrum Management



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Main Activities on Spectrum Management



- Regional Initiatives
- Spectrum Management Software (SMS4DC)
- Cross-border frequency coordination
- Spectrum Management Master Plan (SM MP)
- Spectrum Management Training Program (SMTP)
- Spectrum fee

Africa



➤ 2015

- Assistance provided to Seychelles on Terrestrial Notification to ITU and experts proposed for Spectrum monitoring and SM policy

Africa



➤ 2016

- In partnership with ATU, assist countries in the optimal use of the Digital Dividend resulting from the migration.
- Encourage the setting up of an Administration Body for HCM4A and actual signing of HCM4A, following all indications of interest received from African countries to sign.
- Assist Seychelles to conduct a feasibility study for commissioning of a monitoring station.

Americas



➤ 2015

- An advanced training on Cost Modelling and Pricing for Latin American Countries and Guidelines on the policy and economic aspects of the assignment and use of the radio-frequency spectrum was delivered in Nicaragua.
- The second Regional Forum on Optimization and Efficient use of Spectrum was delivered in Cancun, Mexico. Online courses on Radio Electrum spectrum management and on New Generation Network were delivered to countries.
- Assistance to Caribbean Spectrum Management Task Force
- SM Master Plan for Grenada, Jamaica, St. Vincent & Grenadines

Americas



➤ 2016

- Assistance for cross border frequency coordination will be provided to Americas countries.
- An advanced level of Spectrum Management Training Programme (SMTP) will be delivered to the Caribbean countries in the framework of project HIPCAR II.
- Third regional forum on spectrum management and usage optimization.
- Guidelines on the policy and economic aspects of the assignment and use of the radio-frequency spectrum.
- Assistance to Caribbean Spectrum Management Task Force
- SM Master Plan for Grenada, Jamaica, St. Vincent & Grenadines

Asia-Pacific



➤ 2015

- Improved human, policy and regulatory capacity in the areas of licensing, spectrum management, including the development of National Table for Frequency Allocations (NTFA), legislative frameworks, broadband, satellite coordination, and other regulatory assistance in SIDSs, LDCs, and LLDCs.
- Built Spectrum Management capacity for 34 participants from 10 Pacific Island countries through training on Enabling Efficient and Optimum Use of Spectrum Resources by industries and users
- SM Master Plans for Brunei, Fiji, Bangladesh
- CoE Training on Spectrum Monitoring, China. Attended by 42 participants from 9 countries
- NBTC Cross-border frequency coordination workshop, Bangkok, Thailand, 29 June – 1 July 2015
- Training course on Radio Spectrum Management and Services in Pacific with APT, Nadi, Fiji, 6-9 July 2015
- Review of National Spectrum practices for efficient SM in Bhutan (Feb-Mar 2015)

Asia-Pacific



➤ 2016

- Training on Spectrum Management Software for Developing Countries (SMS4DC v.5) for Pacific Island countries and Cambodia.
- Assistance to Timor Leste on Spectrum Monitoring
- SM Master Plans for Vietnam, Pakistan, Thailand
- Continued and planned assistance in the areas of national telecommunication and ICT policy and regulatory frameworks. These range from policy, regulatory and legislative review to licensing, spectrum management, tariff and pricing, convergence and ICT indicators and statistics.
- The ITU-MSIP, Republic of Korea partnership project will address the development of cross-border frequency coordination, spectrum management master plans, spectrum monitoring, capacity building, including economic aspects of spectrum management.
- Training on spectrum monitoring in China.
- Workshop on Economic aspects of Spectrum Management, Iran.

Europe



➤ 2015

- Regional Seminar on Spectrum Management and Digital Broadcasting (May 2015, Hungary). <http://www.itu.int/en/ITU-D/Regional-Presence/Europe/>
- Training opportunities: Spectrum Management Training Programme (SMTP) of the ITU Academy and trainings of ITU Academy, including CoEs Trainings offered to all stakeholders.

Europe



➤ 2016

- Regional Seminar on Spectrum Management and Broadcasting (21-23 March 2016, Bucharest, Romania).
- Assistance to Albania: Capacity building on WRC outcomes.
- Twinning programme between Hungary and Albania with focus on development of spectrum management strategy.
- Skills building event on spectrum management & broadcasting.
- Twinnings and country assistance upon request.
- Training opportunities: Spectrum Management Training Programme (SMTP) of the ITU Academy and trainings of ITU Academy, including CoEs Training offered to all stakeholders.

Guidelines, reports, other activities



- **Spectrum management Tool (SMS4DC)**
 - Version 5 released, 5.1 is under preparation, ITU-MSIP, Republic of Korea project (see a separate slide)
- **Cross-border frequency coordination**
 - Africa: HCM4A
 - ASP: NBTC training, ITU-MSIP project
 - AMS: CTU project, workshop/country assistance
- **Spectrum Management Master Plan**
 - ITU-MSIP Project
 - ASP: 3 + 3 countries
 - Caribbean: 3 countries
- **Spectrum Management Training Program (SMTP)** <https://academy.itu.int>
- **CoE online training:** Satellite Launch Coordination Procedures and International Regulations with BR/BDT with SRMC – China (June 2015)
- **ITU-D Study Group 1**
 - Resolution9
- **ITU-D Study Group 2**
 - Q7/2 (EMF)

SMS4DC Version 5

- Addition of a general data interface between monitoring software and SMS4DC
- Adding propagation models based on the latest version of P.452, P.530 and P. 1812, P.1546 + 11343
- Further development of built-in and user specified administrative reports
- Preparation of a general method to import data to SMS4DC
- SMS4DC software in Spanish
- Preparation of the training material (as a multimedia DVD) for assisting self-learning training of the software
- Time limited version as a demo tool which can be used for introduction of SMS4DC

SMS4DC Version 5.1

- Insertion of fee calculation models
- Inclusion of Dynamic Link Library (dll) for Harmonised Calculation Method (HCM)
- Website design in order to provide relevant news and a forum for users to discuss their experiences. Renewal of subscription via web

THANK YOU !!



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