

Radio Spectrum Management

Overview of the Spectrum Management Online Toolkit

ICT Regulation Toolkit

- An online tool to aid Regulators in review of the issues and determination of suitable best practices.
- This toolkit was developed by ITU and InfoDev
- http://www.ictregulationtoolkit.org
- Seven Modules
 - 1. Regulating the telecommunication sector overview
 - 2. Competition and Price Regulation
 - 3. Authorization of Telecommunication Services
 - 4. Universal Service
 - 5. Radio Spectrum Management
 - 6. Legal and Institutional Framework
 - 7. New Technologies and Impact on Regulation

Radio Spectrum Management Toolkit

The Spectrum Management module is intended to give readers a foundation of spectrum management concepts and issues, including a review of differences between traditional spectrum management methods and recent innovations and practices.

The approach taken is more descriptive than prescriptive, allowing readers to make up their own mind on various perspectives. Spectrum managers need to consider options and the national context when making choices on which approach to take.

To aid decision makers, the toolkit includes examples of what is actually being done as illustrated through practice notes and reference documents.

Toolkit Topics

- Seven Sections in the Module Each module has further 3-5 subsections
 - Spectrum Management Overview
 - Spectrum Policy and Planning
 - Authorization
 - Spectrum Pricing
 - Spectrum Monitoring and Compliance
 - International Affairs
 - Developing Spectrum Management Capacity

Toolkit Topics

- Example of Two Sections of the online module:
 - 1) Section II Spectrum Policy and Planning
 - 2) Section IV Spectrum Pricing
 - Each Section contains subsections which are further broken down into topics.
 - Each Section, subsection and topic have related
 Practice Notes and Reference Materials which are available for viewing through a hyperlink.

Spectrum Policy and Planning

- Three Subsections to Section II
 - Planning
 - Technical Standards
 - Allocating Spectrum

Spectrum Pricing

- Six Subsections to Section IV
 - Cost Recovery
 - Administrative Incentive Prices
 - Spectrum Royalties
 - Auctions
 - Secondary Markets
 - Lotteries



Spectrum Management Overview

- Two Subsections to Section I
 - Spectrum Resource
 - Objectives
 - Stakeholders
 - Governance
 - Fundamental Approaches

Authorization

- Two Subsections to Section III
 - Assigning Frequencies
 - Equipment Authorization

Spectrum Monitoring and Compliance

- Three Subsections to Section V
 - Putting Monitoring into Perspective
 - Monitoring Technology
 - Enforcing Compliance

International Affairs

- Two Subsections to Section VI
 - Project Activities
 - Transactional Activities

Developing Spectrum Management Capacity

- Three Subsections to Section VII
 - Human Resources
 - Planning Procedures, Engineering Practices, Automation
 - Consultative Practices

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