ITU-D SG1 Q8/1 and Resolution 9
Expert group meetings

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Meeting information

1) **Organizer: ITU-D SG and NMHH (Hungary)**

2) **Venue: Budapest**

3) **Date: 15-19 February 2016**

4) **http://www.itu.int/net4/ITU-D/CDS/sg/blkmeetings.asp?lg=1&sp=2014&blk=15729**

3 meetings

1) **ITU-D Q8/1 (Examination of strategies and methods of migration from analogue to digital terrestrial broadcasting and implementation of new services) - Expert meeting**

2) **Workshop on consumer information and support for digital broadcasting transition and on Spectrum fee**

3) **ITU-D Resolution 9 (Participation of countries, particularly developing countries, in spectrum management) - Expert meeting**

ITU-D SG1 Q8/1 (Broadcasting) / 1

➢ 15- 16 February 2016

➢ Chaired by Mr Roberto Hirayama (Brazil), Rapporteur for Question 8/1
- Acting Vice-Rapporteur Mr Arseny Plossky (Russia), BDT Focal Points Mr István Bozsóki (HQ) and Mr Jean-Jacques Massima (Regional, from Africa) and around 20 participants
- He highlighted that the importance of the report is helping countries in speeding up the transition and improving communication to the people

➢ Revision of the mandate of the Table of content, expected output
- Documents 1/171 and Annex 2 of 1/REP/18 which contains:
  - the compilation of the contributions received by Question 8/1 in the current study period
  - a Draft Report considering the Report Outline approved in the initial discussions of the Question
  - Work Plan and the chapter Rapporteurs
➢ Document SG1EXP/8
- additional compilation of input documents

ITU-D SG1 Q8/1 (Broadcasting) / 2

➢ Activities

- Chapters have been renumbered because of having an Introduction

- List of Chapter rapporteurs has also been revised/updated

- All the Chapters were presented and then discussed, adjusted

- Participants provided information about country or regional experiences and proposals to the text and content

ITU-D SG1 Q8/1 (Broadcasting) / 3

➢ Some items proposed:
  ➢ how to use Digital Dividend to reduce digital divide
  ➢ combine experiences from the country case studies into some proposed findings as an additional chapter
  ➢ how to develop indicators
  ➢ setting up monitoring system for checking the implementation of the transition
  ➢ country implementation of the relevant WRC-15 decisions
  ➢ coordination between broadcasters and telecom
  ➢ adding hyperlinks when possible
  ➢ asking for comments/proposals from broadcasting organizations
  ➢ accessibility issues
  ➢ training elderly people
  ➢ Guideline on increasing consumer awareness and assistance.

ITU-D SG1 Q8/1 (Broadcasting) / 4

➢ Further contributions from countries for the report

- Niger: 2 contributions,
  - (i) difficulties to define low income population and to target the STB subsidies program,
  - (ii) SMS as a communication tool;
- Senegal: 1 contribution
  - Country case study;
- Thailand: 3 contributions
  - (i) country case study,
  - (ii) frequency planning
  - (iii) Digital communications strategies;
- the Netherlands: 2 contributions,
  - (i) Regional cooperation on coordination issues (WEDDIP),
  - (ii) information from the reports of CEPT to our work (maybe just an email or a contribution for listing the reports).
- contributions, presentations from the workshop on the 17th of February 2106 on customer support and information

ITU-D SG1 Q8/1 (Broadcasting) / 5

➢ **Work plan, actions and agree on meeting outputs to be presented to the Rapporteur Group meeting in April 2016**

- The Chairman will provide the revised Report to the participants in two weeks.
- Countries will send the proposed contributions as soon as possible
- Based on the comments and additional contributions the report will be updated
- Rapporteur will submit it as a contribution latest by 22 March. Same for the country contributions
- In addition the meeting report will be presented.

Workshop

➢ 17 February 2016

➢ Around 30 participants

➢ Agenda: http://www.itu.int/oth/D0705000008

➢ List of presentations :

  http://www.itu.int/oth/D0705

Workshop – Broadcasting / 1

➢ **Session 1: Digital Terrestrial Television Broadcasting – Information and support to customers – Country experiences and case studies. Moderator: István Bozsóki (ITU)**

➢ **Country case studies from**
- **Hungary (2), Brazil, The Netherlands, Niger, Russia, Germany, Serbia, Thailand**

Workshop – Broadcasting / 2

- **Ms Éva Kovács, Antenna Hungaria, Hungary** *"[Customer information methods on reception conditions](#)"*

- **Mr Roberto Hirayama, Brazil** *"[Digital Terrestrial Television Broadcasting – Information and Support to Customers, Brazil´s Experience](#)"*

- **Mr Aljo van Dijken, The Netherlands** *"[Switch over process in the Netherlands](#)"*

Workshop – Broadcasting / 3

- **Mr Ahmed Boraud, Niger** *"Analog-Digital Transition, Customers Support, Niger Case"*

- **Mr Arseny Plossky, Russian Federation** *"The experience of the Russian Federation in the field of the transition to digital TV"*

- **Mr Elmar Zilles, Germany** *"Digital Terrestrial TV Broadcasting, German Experience on Several Aspects of a Customer-oriented View" (Presented by Mr. Aljo van Dijken)*

Workshop – Broadcasting / 4

- **Ms Vladana Radisavljevic, Serbia** *"[Experience of the Republic of Serbia](#)"*

- **Ms Rita Richter Sásdiné, National Media and Infocommunications Authority, Hungary** *"[Communication of the digital transition](#)"*

- **Ms Orasri Srirasa, National Broadcasting and Telecommunications Commission (NBTC), Thailand** *"[DTTB-Information and support to customers Thailand country experiences and case study](#)*

Workshop – Spectrum / 1

- ➢ **Session 2: Spectrum fee – Country experiences and case studies, ITU activities. Moderator: Joaquin Restrepo (ITU)**

- ➢ **Country case studies from**
  - **Russia, Egypt, Niger, Somalia, Germany**
- ➢ **ITU Activities**
  - **BR and BDT**
- ➢ **Quality of Internet services**
  - **Hungary**

Workshop – Spectrum / 2

- **Mr Arseny Plossky, Russian Federation** "*Spectrum fees in the Russian Federation*"
- **Mr Fadel Digham, Egypt** "*Spectrum Pricing and Egypt 3G Case Study*"
- **Mr Ahmed Boraud, Niger** "*Spectrum Fees for Spectrum Management, Niger Case*"
- **Mr Mohamed Ibrahim, Somalia** "*Somalia case study*"

Workshop – Spectrum / 3

- **Mr Philippe Aubineau** *"ITU-R Study Group 1 on Spectrum Management"* (ITU)
- **Mr István Bozsóki** *"BDT Spectrum Management Spectrum Fee"* (ITU)
- **Mr Zsolt Torma, National Media and Infocommunications Authority, Hungary** *"Testing the quality of Internet services in Hungary: The software and hardware based public measurement system of National Media and Infocommunications Authority (NMIAH)"*
- **Mr Elmar Zilles, Germany** *"Spectrum Fee - German Approach and Experience (could not participate)"*

ITU-D SG1 Resolution 9 Spectrum management) / 1

➢ 18- 19 February 2016

➢ Chaired by Mr Fadel Digham (Egypt), ITU-D Co-Chairman for Resolution 9

- Vice-Chairman Mr Amer Hassan (United States), BDT Focal Point Mr István Bozsóki and BR Focal Point, Mr Philippe Aubineau (Counsellor for ITU-R Study Group 1, the CPM and the SC) and around 20 participants
- He gave an overview on the expected output of the Resolution 9.

➢ Revision of the mandate of the Table of content, expected output

- Document Annex 2 of 1/REP/19 (Rev.1) which contains:
  - the compilation of the contributions received by Resolution 9 in the current study period
  - a Draft Report considering the Report Outline approved in the initial discussions of the Question
  - Work Plan and the chapter Rapporteurs

➢ Activities

- Restructure the outline for the draft Res. 9 Report
  - consider first the Chapters on "New/emerging Spectrum Management Approaches"
  - Followed by "Spectrum Refarming and Redeployment"
  - then the other two Chapters on "Spectrum Economics: Reducing Costs for a Shared Resource" and on "Spectrum Monitoring".

- All the Chapters were presented and then discussed, adjusted

- Participants provided information about country or regional experiences and proposals to the text and content
- Work plan and future required actions were reviewed
- Liaise the outcomes of the next Res. 9 Group meeting to ITU-R SG 1 and its Working Parties 1A, 1B and 1C

ITU-D SG1 Resolution 9 Spectrum management) / 3

- ➢ Contributions related to the Chapter on New/emerging Spectrum Management Approaches

  - Doc. SG1EXP/7 (Microsoft Corporation) provided a consolidated draft text for the entire Chapter which emphasizes in particular on the advantages of the license-exempt model for the DSA and the TVWS deployments. A section on the "Current ITU-R Studies and Investigations", has to be amended to reflect more accurately the recent ITU-R developments including RA-15 and WRC-15 relevant decisions.

  - Doc. 1/134 (France) (ECC Report 236), already presented at the September 2015 Res.9 Group meeting as an executive summary of the ECC Report 236 on "Guidance for national implementation of a regulatory framework for TV WSD using geo-location databases". Develop additional draft new texts from it for possible inclusion in the Res. 9 Report.

ITU-D SG1 Resolution 9 Spectrum management) / 4

➢ Contributions related to the Chapter on New/emerging Spectrum Management Approaches

- SG1EXP/6 (Egypt): different possible schemes for spectrum access. Shared spectrum access can be realized in a different ways offering flexibility to a spectrum manager to pick the best fit or to customize/adapt some of existing schemes in order to improve spectrum utilization.

- SG1EXP/5 (Inmarsat) addressed some of the issues related to the licensing and authorisation of ESIMs (Earth Stations In Motion). It suggested ways forward for regulators to implement best practices in licensing and authorising ESIMs, as an effective enabler of global circulation of satellite user terminals. Possibly a different new Chapter of the Res. 9 Report.

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- Based on the comments and additional contributions the report will be updated
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THANK YOU !!

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