



Spectrum Expert Working Group Status and Activities



*Roman Kurdadze, SEWG Chair
Technologies and Spectrum Department, ComCom
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SEWG: an overview

- Informal group
 - Main goal to consider and facilitate viable approaches for DD2, to exchange views and experiences
 - 20+ countries in total were presented (2019-2020)
 - Specific challenge: direct impact onto neighbors
 - Great benefits from collaboration
 - SEWG to enable EaPeReg countries to be fully integrated in regional spectrum reorganization
- ✓ Found solutions for more effective cross-border coordination to respect the principle of equitable access to spectrum resources for IMT systems;
 - ✓ issues related to the roll-out of mobile services 694-790 MHz, spectrum revision and systematization of resources;
 - ✓ re-channelling and/or re-planning of broadcasting allotments above ch 60 and above 48;
 - ✓ ARNS usage issues revised;
 - ✓ CDMA850 usage issues revised.

SEWG: targets - DONE



- Terms of use for 700MHz & 3400-3800MHz frequency range;
- Compatibility on the band edge and frequency coordination for digital broadcasting, rechanneling of PMSE;
- SDL usage and out of band emission of IMT systems;
- Roadmap for topics such as 5G, IoT etc.;
- Review of license obligations to facilitate an optimal frequency usage:
 - Coverage,
 - Data Rate,
 - Number of Cells,
 - Coordination issues,
 - Areas priority,
 - Synchronization, etc...

Steps:

- Common future frequency plan
- Individual transition paths
- Minimum result: “least impact approach”

Targets:

- ✓ 2017: Commitment by partners to coordinate on spectrum issues – **DONE!**
- ✓ 2020: Coordinated national spectrum strategies in the EaP – **DONE!**

Scope of work for 2020-2021 and on...

- Supplementary spectrum usage and approaches;
- preferable (and potential) radio frequency bands for the implementation of 5G systems;



- 1400MHz frequency band usage-related aspects;
- 2400 & 2600MHz frequency bands;
- Harmonized use of 5G frequencies in the EaPeReg region;

- 27GHz range and utilization aspects;
- 5G Corridors;
- Emission control and modification of standards - workshop



towards 5G



Roman Kurdadze, Technologies and Spectrum Department, ComCom

Tel.: +995 555 557055; rkurdadze@comcom.ge

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