

25th Plenary Meeting,
June 17th, 2025

#StrongerTogether



SPECTRUM EXPERT WORKING GROUP ***STATUS AND ACTIVITIES***

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This event is part of the

EaP | Eastern Partnership 



INSTITUTIONS AND MEMBERS: 60+ PARTICIPANTS



Virtual Participation Icons:

- VIRTUAL PARTICIPATION
- BANNED FROM PHYSICAL PARTICIPATION - VIRTUAL
- VIRTUAL PARTICIPATION

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FIELDS OF INTEREST

...TOPICS COVERED BY EXPERTS / INTERNATIONAL BODIES/ORGANISATIONS



Potential shared use of the 6425-7125 MHz frequency band between MFCN and WAS/RLAN, future of the 470-694 MHz band within the EU



6 GHz band for RLAN, IMT/6G; UHF band, 26 GHz band; correlation between QoS and Signal Strength, Passive/Active measurement, download speed estimation, challenges and technical solutions for processing and visualizing spatial data



UK Developments on national implementation, 6 GHz utilisation for Mobile “IMT” and Wi-Fi services; 28 Hz and 32 GHz – Changes in UK following end of initial licence term; supporting Utilities sector spectrum needs; UKs Direct to Cell/Device consultation



Lithuanian Case: Mobile broadband development plans for 2030 in Lithuania; Challenges and Perspectives; Pioneer bands and 3.8-4.2 GHz.; IMT Pioneer bands; 3.8-4.2 GHz ranges for International Mobile Telecommunications



2024 ANCOM Mobile Measurements; Romanian Mobile Market Overview, campaign scope, signal strength measurement & QoS, campaign Result, Aisemnal.ro, correlation between QoS and Signal Strength; download speed estimation based on RSRP.



The EU regulatory framework for the sub-700 MHz band, input from the RSPG in the context of WRC-23, and planned actions beyond 2025, evolving technological and policy priorities.



Shared use of the 6425–7125 MHz band between MFCN and WAS/RLAN, RSPG views on the 6GHz band, 470–694 MHz band.



FM, DAB, and DAB+ for sound, and DVB-T/DVB-T2 (WRC-23/WRC-27), IMT global spectrum harmonization, IMT frameworks (IMT-2020, IMT-2030, IMT-Satellite/NTN), high-altitude platform systems (HAPS/HIBS), and radio LANs (RLANs), GE84 and GE06 and cross-border spectrum monitoring to ensure compliance.



PIONEER BANDS UTILIZATION & HARMONIZED USE

Updated Targets:

- **Spectrum Allocation for 6 GHz Band:** allocation of the 6425-7125 MHz band for potential shared use between Mobile Fixed Communications Networks (MFCN) and Wireless Access Systems/Radio Local Area Networks (WAS/RLAN);
- **Strategic Planning for the 26 GHz Band:** Assess the maturity of the 26 GHz band for spectrum auctions, evaluating the availability of services and devices to determine readiness for widespread 5G deployment;
- **Long-Term Strategy for the Sub-700 MHz Band:** Formulate a future-oriented strategy for the 470-694 MHz band, balancing exclusive use for Digital Terrestrial Television (DTT) with flexible approaches to accommodate mobile broadband and other emerging needs.
- **Preparation for WRC-27 and 6G Development:** identifying spectrum needs and regulatory frameworks for 6G, building on IMT-2030 and emerging technologies like terahertz bands.

Panel Discussions / EU experience sharing initiated & continued:

- Strategic Preparation for WRC-27 (World Radiocommunication Conference)
- Solutions for National Broadband Mapping Systems
- Development of Regional Spectrum Agreement (RSA)
- Future of the UHF Band
- Insights on 6G and Beyond
- Collaboration with EU Organizations

To-do in 2025/2026:

- Develop tailored strategies for 5G Private Networks in each country, addressing specific needs;
- Finalize the Regional Spectrum Agreement (RSA): Conduct bilateral discussions to overcome remaining barriers.
- Spectrum Auctions: Plan auctions for underutilized bands like 700 MHz and 2.6 GHz to meet national goals.
- Strengthen Collaboration with EU Bodies: Enhance policy and technical alignment with organizations like RGGP, ITU and BEREC.





5G BANDS STATUS/PLANS & RSA



MMDS
MULTICHANNEL
MULTIPOINT
DISTRIBUTION SERVICES



Mobile
COMMUNICATION NETWORK



700MHz		DVB-T2			DVB-T2
800MHz					DVB-T2
2.3 GHz		wimax			
2.6 GHz		wimax MMDS MULTICHANNEL MULTIPOINT DISTRIBUTION SERVICES			
3.4-3.8 GHz		wimax IMT			
26 GHz	 Microwave	 Microwave			

(Decision (EU) 2016/687), (Decision 2010/267/ES), (Decision (EU) 2020/63), (Decision 2008/411/EC), (Decision (ES) 2019/784)



EU4DIGITAL: 5G PRIVATE NETWORKS

The current status of 5G Private Networks has been assessed, and the following information has been compiled for each country. Governmental bodies of the EaP Countries have been actively working on allocating frequency bands for 5G services, aligning with international standards and recommendations.

#	Frequency Band	Armenia	Azerbaijan	Georgia	Moldova	Ukraine
1.	700 MHz	partially allocated	ready for allocation	allocated	partially allocated ¹	ready for allocation
2.	2300 MHz	ongoing allocation procedure	allocated to other users	allocated	ready for allocation ²	allocated to other users
3.	2600 MHz	-	allocated to other users	allocated	partially allocated ³	allocated to other users
4.	3400-3800 MHz	3400-3600 MHz – allocated to other users; 3600-3800 MHz – ongoing allocation procedure	allocated to other users; 3400-3700 MHz included in the 5G deployment strategy	allocated	partially allocated ⁴	ready for allocation
5.	26 GHz	not allocated (no plan)	-	allocated	ready for allocation ⁵	ready for allocation

- **For each country, the allocation of frequencies of 5G Private Networks status was verified. The allocation requires several steps, starting from regulatory assessment and ending with monitoring and control of the implementation;**
- **Potential use cases of 5G Private Networks Identified on country-by-country bases.**

- ❖ Country-specific roadmaps and guidelines towards the implementation of 5G private networks development in Eastern partner countries are prepared and distributed to countries.
- ❖ As a next step, EU4Digital aims to collect countries feedbacks to fine-tune a list of potential initiatives for each EaP country (if any).



PRIORITIES UPON 2025

HARMONIZATION OF ADDITIONAL BANDS FOR IMT
SUB-700MHZ FREQUENCY BANDS UTILIZATION
6 AND 26GHZ PERSPECTIVES / ADAPTING TO CHANGES
EFFECTIVE & HARMONIZED USE OF SPECTRUM

