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DIRECTORATE-GENERAL FOR COMMUNICATIONS NETWORKS, CONTENT AND  
TECHNOLOGY

Connectivity  
**Radio Spectrum Policy Group**  
**RSPG Secretariat**

Brussels, 16 June 2021

**RSPG21-023 FINAL**

## **RADIO SPECTRUM POLICY GROUP**

### **Progress Report of the RSPG Sub-Group on Additional spectrum needs and guidance on the fast rollout of future wireless broadband networks**

RSPG work item: update to Plenary	
<b>Work item</b>	Challenges Additional spectrum needs and guidance on the fast rollout of future wireless broadband networks
<b>Rapporteur/s</b>	Bo Andersson, PTS, Sweden, Tassos Lyratzis, EETT, Greece
<b>Rationale</b>	<p>5G is the most important evolution of wireless broadband in the near future. The RSPG has developed three Opinions as its strategic roadmap towards 5G for Europe, in which it has identified 5G pioneer bands and addressed implementation challenges for 5G:</p> <ul style="list-style-type: none"> <li>• RSPG Opinion on spectrum related aspects for next-generation wireless systems (5G), 30 November 2016</li> <li>• RSPG Second Opinion on 5G networks (Strategic Spectrum Road Map Towards 5G for Europe), 30 January 2018</li> <li>• RSPG Opinion on 5G implementation challenges (RSPG 3rd opinion on 5G), 30 January 2019.</li> </ul> <p>The commercial launch of 5G in Europe has started. Within this work item, the RSPG will further investigate additional spectrum and harmonisation needs (coverage, capacity and innovation) as well as authorisation regimes within the remits of the EECC for successful deployment, taking into account bands identified at WRC-19.</p>
<b>Scope</b>	<p>Regarding the pivotal role of wireless broadband, the RSPG will consider additional spectrum as well as the necessity to make a certain amount of harmonised spectrum available by 2025/2030.</p> <p>RSPG will carry on to engage in the sharing of information and experience in support of a successful roll-out of 5G in the EU, including questions related to the measurement of EMF-limits (i.e. transparency and acceptance), and provide targeted guidance on authorisation and implementation issues, if need is identified.</p>
<b>Planned deliverables and timing</b>	<p>RSPG Opinion(s) or Report(s) as appropriate.</p> <p>High-level workshops addressing the entire industry including verticals, could also be envisaged and used to facilitate these deliverables.</p> <p>Time schedule</p> <ul style="list-style-type: none"> <li>• Draft Opinion: February 2021</li> <li>• Final Opinion: June 2021</li> </ul> <p style="color: red;">Updated in line with update of RSPG work program.</p>
<b>Analytical approach</b>	<p>Identify the challenges from a European perspective regarding what is necessary in order to launch and implement future wireless broadband networks.</p> <p>Analyse both on a policy level as well as on a level covering different</p>

	<p>spectrum bands and technologies.</p> <p>Consider what applications and services European consumers will want to have to access to.</p> <p>Consider the use cases and future applications and services in demand from different vertical industries in Europe.</p> <p>Assess possible constraints on these developments depending on the availability of different spectrum bands.</p>
<b>Project plan</b>	<p>Phase 1 – Information gathering (including stakeholder engagement)</p> <p>Phase 2 – Analysis and assessment</p> <p>Phase 3 – Review conclusions (including stakeholder engagement)</p> <p>Phase 4 – Conclude and report</p>
<b>Dependencies</b>	<p>We plan to have regular discussions with the rapporteurs for the <i>Peer review and Member States cooperation on authorisations and awards</i> work item and possibly joint meetings / workshops to ensure we share information and align the work as appropriate.</p> <p>In the same manner, the work could also be related to the RSPG work items on <i>Good offices</i> and <i>New Radio Spectrum Programme (RSPP)</i>.</p>

#### Members, stakeholders and resources

Members	<p>Austria, RTR</p> <p>Croatia, HACOM</p> <p>Czech Republic, CTU</p> <p>Denmark, Danish Energy Agency</p> <p>EU, DG CNECT</p> <p>Finland, Ficora</p> <p>France, ANFR</p> <p>France, ARCEP</p> <p>France, Ministere des finances</p> <p>Germany, BNetzA</p> <p>Germany, BMVI BUND</p> <p>Greece, EETT</p> <p>Greece, Ministry of Digital Policy</p> <p>Hungary, NMHH</p> <p>Ireland, DCENR</p> <p>Ireland, COMREG</p> <p>Italy, AGCOM</p> <p>Luxembourg, SMC</p> <p>Malta, MCA</p> <p>Norway, NKOM</p> <p>Poland, Ministry of Digital Affairs</p> <p>Portugal, ANACOM</p> <p>Serbia, RATEL</p> <p>Slovenia, AKOS</p> <p>Spain, Minetur</p> <p>Sweden, PTS</p> <p>The Netherlands, Minez</p> <p>Turkey, BTK</p>
Key stakeholders	<p>Telecom operators</p> <p>Vertical industries</p> <p>Equipment suppliers</p>

Other resources	
Other work items	The subgroup has been involved in the EU Connectivity Recommendation toolbox work during Q4 2020 and Q1 2021

**Work flow (internal and external milestones)**

Date	Action / deliverable	Internal Sub-group only	External Plenary, Publication
Year 2020			
24 March (Webex)	First meeting of sub-group – discuss scope and plan following new <i>RSPG Work Programme</i> and new work item on <i>Additional spectrum needs and guidance on the fast rollout of future wireless broadband networks</i>	Sub-group	
12 May (Webex)	Second meeting of sub- group – discuss draft survey to member states on additional spectrum needs and experiences from rollout of wireless broadband networks. - discuss draft position paper on EMF.	Sub-group	
29 May (Webex)	Ad hoc meeting for the finalization of the RSPG position paper on EMF	Sub-group (short notice)	
9 June	Progress of work presented to Plenary	Rapporteur	Plenary
10 July (Web meeting)	Co-chairs and Alexander Kuhn attended the BEREC WNE WG meeting for discussing the draft RSPG-BEREC common paper on EMF		BEREC WNE WG
15 September (Webex)	Third meeting of sub-group - discussed and agreed to accept final text of the joint RSPG-BEREC position paper on EMF. - discussed responses received after the summer from member states on the survey on additional spectrum needs and experiences from rollout of wireless networks.	Sub-group	
7 October	Progress of work presented to Plenary	Rapporteur	Plenary
27 October (Webex)	Fourth meeting of sub-group -discussed conclusions from survey and draft opinion/report	Sub-group	
25 November (Webex)	Fifth meeting of sub-group -discussion of draft opinion/report	Sub-group	
Year 2021			
20 January (Webex)	Sixth meeting of sub-group -discussed final text of draft opinion	Sub-group	
10 February (Webex)	Progress of work presented to Plenary Draft Opinion presented to Plenary	Rapporteur	Plenary
15 March (Webex)	Meeting with DIGITALEUROPE Spectrum working group	Rapporteur	DIGITALEUROPE

<b>Date</b>	<b>Action / deliverable</b>	<b>Internal Sub-group only</b>	<b>External Plenary, Publication</b>
15 April (Webex)	Seventh meeting of sub-group -presentation from verticals -discussed final text of draft opinion	Sub-group	ULWIMO
4 May (Webex)	Eighth meeting of sub-group -discussed final text of draft opinion	Sub-group	
16 June (Webex)	Progress of work presented to Plenary Draft Final Opinion presented to Plenary for publication Opinion adopted by the RSPG Plenary	Rapporteur	Plenary
The work of the Sub Group is completed			