

## **EUROPEAN COMMISSION**

Directorate-General for Communications Networks, Content and Technology

Electronic Communications Networks and Services Radio Spectrum Policy Group RSPG Secretariat

Brussels, 05 June 2018

**RSPG18-021 FINAL** 

## RADIO SPECTRUM POLICY GROUP

Progress Report of the RSPG Working Group on 5G

RSPG work item: update to Plenary				
Work item	5G Implementation Challenges			
Rapporteur/s	Andersson, PTS, Sweden, Tassos Lyratzis, EETT, Greece			
Rationale	The European Commission presented in September 2016 an Action Plan fo 5G in Europe to show that Europe has the ambition to lead on the deployment of 5G and move to a gigabit society and make sure all Europeans, whether in the countryside or in cities, can get access to a quali internet connection.			
	RSPG addressed initial spectrum strategy milestones on 5G in its Opinion of November 2016 and send a clear signal towards the global development of harmonised frequency bands above 24 GHz in its interim Opinion on WRC-19. Overall it is noted that the spectrum policy challenge on 5G is very closely related to the on-going development of 5G technology.			
	In consequence, RSPG will continue its efforts and contribute actively to the development of Europe's spectrum policy strategy regarding 5G, including bands being studied at WRC, and other spectrum needed to deliver the services to all European citizens including for IoT/M2M and other applications such as ITS.			
Scope	The RSPG has developed a strategic roadmap towards 5G for Europe and adopted a second opinion on 5G in February 2018 (supplementary opinion on strategic issues related to spectrum regulation of 5G networks).			
	On the basis of these, RSPG plans to present an analysis with a view on how to defragment the 3.4-3.8 GHz band in EU.			
	RPSG will assess the impact of the future use of 5G technology in other areas than mobile broadband (internet of things, intelligent transportation a other verticals) and initiate further work where necessary.			
	RSPG will engage to enable information and experience sharing in support of a successful roll-out of 5G in EU.			
Planned deliverables and timing	RSPG Opinion(s) or Report(s) as appropriate. High-level workshops could also be envisaged and used to facilitate these deliverables.			
	Time schedule:			
	<ul> <li>Draft Report/Opinion November 2018</li> <li>Final Report/Opinion in April 2019</li> </ul>			
Analytical approach	Overall ambition for RSPG to communicate early about 5G			
	Identify the challenges from a European perspective regarding what is necessary to do in order to launch and implement 5G on a large scale.			
	Analyse both on a policy level as well as on a level covering different spectrum bands and technologies.			

	Consider what applications and services European consumers will want to have to access to.  Consider the use cases and future applications and services in demand from differend vertical industries in Europe.  Assess possible constraints on these developments depending on the availability of different spectrum bands.
Project plan	Phase 1 – Information gathering Phase 2 – Analysis and assessment Phase 3 – Review conclusions (including stakeholder engagement) Phase 4 – Conclude and report
Dependencies	This work is closely linked to the RSPG work item on Peer Review process proposed by the European Electronic Communications Code (EECC) We plan to have regular discussions with the rapporteurs for the Peer Review Platform work item and possibly joint WG meetings / Workshops to ensure we share infromation and align the work as appropriate.  In the same manner, the work could also be related to the RSPG work item on <i>Good offices</i> .

## Members, stakeholders and resources

Members, stakeholder Members	Austria, RTR Croatia, HACOM Denmark, Danish Energy Agency EU, DG CNECT Finland, Ficora France, ANFR France, ARCEP France, Ministere des finances Germany, BNetza Germany, BNetza Germany, BMVI BUND Greece, EETT Greece, Ministry of Digital Policy Ireland, DCENR Ireland, COMREG Italy, AGCOM Malta, MCA Poland, Ministry of Digital Affairs Serbia, RATEL Slovenia, AKOS Spain, Minetur Sweden, PTS The Netherlands, Minez United Kingdom, Ofcom
Key stakeholders	Telecom operators Vertical industries Equipment suppliers
Other resources	

Work flow (internal and external milestones)

Date	Action / deliverable	<b>Internal</b> Work group only	External Plenary, Publication			
Year 2018						
15 March (Brussels)	First meeting of work group  – discuss scope and plan following new  RSPG Work Programme and new work item on 5G Implementation Challenges,  - discuss on Member States plans for launching 5G trials, and authorizing 5G frequency bands	Work group				
11 April (Brussels)	Second meeting of work group  – discuss possible survey to member states on defragmentation. Discussion on future needs of different verticals and shared information on present 5G activities in EU.	Work group	TCCA representative invited to present challenges in critical mobile communication from the perspective of verticals			
24 May (Brussels)	Third meeting of work group  – discuss survey on defragmentation to member states and possible alternative methods of collecting and sharing data and experiences to analyse defragmentation. Continued work on future needs of different verticals.	Work group	5GAA representatives invited to present spectrum challenges from the perspective of the automotive industry			