



EUROPEAN COMMISSION

Directorate-General for Communications Networks, Content and Technology

Connectivity

Radio Spectrum Policy Group

RSPG Secretariat

10 February 2021

RSPG21-003 FINAL

RADIO SPECTRUM POLICY GROUP

State of play regarding award of 5G pioneer bands

The attached table represents information as of 10 February 2021. The information has been provided by the RSPG Members.

Country	700 MHz			3.4-3-8 GHz			24.25-27.5 GHz		
	Public consultation	Peer review	Award	Public consultation	Peer review	Award	Public consultation	Peer review	Award
Austria	September 2019	May 2019	September 2020	February 2018	April 2019	March 2019	Aug 2019	May 2019	<i>Expected by Q3 2022</i>
Belgium	July 2017		<i>Expected end 2021</i>	June 2017		Provisional rights have been awarded for the band 3600-3800 MHz in July 2020, <i>Expected end 2021</i>	June 2019		No award planned
Bulgaria	<i>August 2020</i> <i>A new consultation is expected by June 2021</i>		There was no interest in obtaining the spectrum in 2020.	<i>December 2020 – January 2021</i>		Expected March 2021	<i>January – February 2021</i>		<i>Depends on results of the public consultation and market demand.</i>
Croatia	<i>Expected Q1 2021</i>		<i>Expected by June 2021</i>	<i>Expected Q1 2021</i>		<i>Expected by June 2021</i>	<i>Expected Q1 2021</i>		<i>Expected by June 21</i>
Cyprus	September 2019		<i>December 2020</i>	September 2019		<i>December 2020</i>	September 2019		<i>Not expected in 2020 (subject to clear</i>

Country	700 MHz			3.4-3.8 GHz			24.25-27.5 GHz		
	Public consultation	Peer review	Award	Public consultation	Peer review	Award	Public consultation	Peer review	Award
									<i>market demand)</i>
Czechia	June 2019 March 2020 June 2020		January 2021	3.6-3.8 GHz 2017 3.4-3.6 GHz June 2019 March 2020 June 2020	2017	August 2017 January 2021	December 2019 August 2020		No award planned 26.5-27.5 GHz open for non-commercial experiments in October 2020
Denmark	March 2018		March 2019	<i>December 2020</i>		<i>Expected March 2021</i>	August 2018 and December 2020		<i>Expected March 2021</i>
Estonia	July 2014		<i>Expected June 2021</i>	April 2018		<i>Expected end of 2020</i>	<i>November 2019</i>		<i>Expected end of 2021</i>
Finland			November 2016	May 2018	April 2019	October 2018	Q1 2020 --> February 2020		June 2020
France			November 2015	July 2019	September 2019	October 2020	Jun 2018		<i>On-going process to encourage trials in various sectors</i>
Germany			June 2015			June 2019	<i>October 2018 February 2020 August 2020</i>	n.a.	<i>(Individual frequency assignments: - on application</i>

Country	700 MHz			3.4-3.8 GHz			24.25-27.5 GHz		
	Public consultation	Peer review	Award	Public consultation	Peer review	Award	Public consultation	Peer review	Award
									- for 15 years with the possibility of extension - since end of 2020)
Greece (Individual frequency rights of use assigned for the three 5G bands for 15 years with the possibility of 5 years extension, starting on the 16 th December 2020)	August – September 2020		Completed December 2020	August – September 2020		Completed December 2020	August – September 2020		Completed December 2020
Hungary	June 2019	December 2018	April 2020	June 2019	December 2018	April 2020	July 2017 and December 2019		
Ireland	May 2020: ComReg doc: 20/32 (Draft Information Memorandum and Draft Regulations)	30 June 2020		July & December 2015	January 2018	Completed May 2017	Study Q4/2020		

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	Public consultation	Peer review	Award	Public consultation	Peer review	Award	Public consultation	Peer review	Award
	July 2020: ComReg doc: 20/56 (Info Notice on auction formats)								
Italy	March 2018	December 2018	October 2018 Spectrum usable nationally from 1 July 2022	3.4-3.6 GHz January 2018 (for 5G use) 3.6-3.8 GHz March 2018	December 2018	3.4-3.6 GHz Extended licenses for 5G use 3.6-3.8 GHz October 2018	March 2018	December 2018	October 2018
Latvia	It is expected to conclude public consultation in the first half of 2021. (due to diverging views on licence conditions, several consultation rounds with market players were carried out during 2020.)		Second half of 2021	March 2018		September 2018	<i>At the moment no clear market demand. 1 GHz band is made available for operators to carry out pilot projects, testbeds, cooperation initiatives etc. Replanning of the band starting from 2024 is foreseen. During 2021 a</i>		Before 2024 (depending on results of public consultation)

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	Public consultation	Peer review	Award	Public consultation	Peer review	Award	Public consultation	Peer review	Award
							<i>consolation on most optimal use of the band is planned</i>		
Lithuania	May 2018		<i>Expected Q1 2021</i>	May 2018 March 2019 February 2021		<i>Expected Q2 2021</i>	April 2020		1.2 GHz is available. No requirements from MNO
Luxembourg	May 2019		August 2020	May 2019		August 2020	October 2020		Public consultation currently under evaluation; award decision pending
Malta	<i>Q1 2021</i>		<i>Expected June 2021</i>	<i>Q1 2021</i>		<i>Expected before 2021</i>	<i>Q1 2021</i>		<i>Expected before 2021</i>
Netherlands	December 2019 – February 2020		<i>July 2020</i>	<i>Expected Q1 2021</i>	<i>Expected Q2 2021</i>	<i>Expected beginning of 2022</i>	<i>Expected consultation Q1/Q2 2021</i>		Expected 2021/2022
Poland	Preconsultation August 2018 and 2019 <i>Expected Q1 2022</i>		<i>Before 30 June 2022</i>	Preconsultation August 2018 Consultation December 2019/January 2020		<i>By 27 August 2021</i>	August 2018 Q3 2020		<i>Expected before 2022 (subject of market demand)</i>

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	Public consultation	Peer review	Award	Public consultation	Peer review	Award	Public consultation	Peer review	Award
Portugal	<p>April 2018 & Oct. 2019 (RoU and award procedure)</p> <p>Consultation on the auction rules was launched Q1 2020, it was suspended due to pandemic and ended in July 2020.</p>		<p><i>Initially planned for Q2 2020, due to the suspension of the public consultation, it started on the Q4 2020 and is currently ongoing.</i></p>	<p>April 2018 & Oct. 2019 (RoU and award procedure)</p> <p>Consultation on the auction rules was launched Q1 2020, it was suspended due to pandemic and ended in July 2020.</p>		<p><i>Initially planned for Q2 2020, due to the suspension of the public consultation, it started on the Q4 2020 and is currently ongoing.</i></p> <p>100 MHz (3.4-3.5 GHz) can already be use in accordance with the new technical conditions (decision from Dec. 2019)</p>	<p>April 2018 New consultation expected to take place after the auction of the 700 MHz and 3.6 GHz is finished.</p>		<p><i>TBD according to market demand</i></p>
Romania	<p>August 2019</p>		<p><i>Expected 2021</i></p>	<p>Second half of 2019</p>		<p><i>Expected 2021</i></p>	<p>Strategy for multiband auction in first half of 2019, where this</p>		<p><i>Probably before the end of 2022 (subject to clear</i></p>

Country	700 MHz			3.4-3.8 GHz			24.25-27.5 GHz		
	Public consultation	Peer review	Award	Public consultation	Peer review	Award	Public consultation	Peer review	Award
							band was postponed; questionnaire on market demand in 2020		<i>market demand</i>)
Slovakia	December 2019		December 2020	3.4-3.6 GHz: October 2014 3.6-3.8 GHz: November 2013		3.4-3.6 GHz: May 2016 3.6-3.8 GHz: July 2017	Public discussion was held in November 2020.		Public discussion result - no interest in the market at a present time. Not expected to take place before 2023 (subject of negotiation with military).
Slovenia	<i>Q3 2020</i>	December 2018	<i>Q1 2021</i>	Q3 2020		<i>Q1 2021</i>	Q3 2020		<i>Q1 2021</i>
Spain	2017 and 2019	December 2020	<i>Expected Q1 2021</i>	2017		July 2018	2017 and 2019		Q4 2021
Sweden	July 2018	May 2018 February 2019	December 2018	July 2019	April 2019	<i>January 2021</i>	December 2019		<i>Possibly local licences in 24,25 – 25,1 GHz</i>

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	Public consultation	Peer review	Award	Public consultation	Peer review	Award	Public consultation	Peer review	Award
									<i>2021. No award for the remaining parts before 2023</i>
Norway	2018		June 2019	August 2019		3.6-3.8 GHz already assigned for 5G The whole band expected to be assigned in 2021	August 2019		Test licences awarded in 2019. No clear market demand, award is not expected to take place in 2020