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Directorate-General for Communications Networks, Content and Technology

Electronic Communications Networks and Services

Radio Spectrum Policy Group

RSPG Secretariat

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RADIO SPECTRUM POLICY GROUP

State of play regarding award of 5G pioneer bands

The attached table represents information available to the European Commission regarding the state of play on award processes for the 5G pioneer bands identified by the RSPG. Sources include the 5G Observatory, the RSPG awards calendar and information provided by RSPG members themselves. The information relates the situation as at January 28 2020.

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	<i>Expected Spring 2020</i>	February 2018	April 2019	March 2019	Aug 2019	May 2019	Not before 2020
Belgium	July 2017		<i>Expected end 2020</i>	June 2017		<i>Expected End 2020</i>	Jun 2019		No award planned
Bulgaria	<i>Expected Q2 2020</i>		Depends on results of the public consultation	<i>Expected Q2 2020</i>		Depends on results of the public consultation	<i>Expected Q4 2020</i>		
Croatia	<i>Expected Q3 2020</i>		<i>Expected Q4 2020</i>	<i>Expected Q3 2020</i>		<i>Expected Q4 2020</i>	Yet to be decided		
Cyprus	September 2019		<i>Expected Q2 2020</i>	September 2019		<i>Expected Q2 2020</i>	September 2019		<i>Not expected to take place in 2020</i>
Czechia	July 2019		<i>Expected winter 2019/2020</i>	July 2019		Expected winter 2019/2020			
Denmark	March 2018		March 2019	<i>Expected Q2 2020</i>		<i>Expected Q3 2020</i>	August 2018		<i>Expected Q3 2020</i>
Estonia	July 2014		<i>Expected May 2020</i>	April 2018		Suspended in April 2019	<i>Expected November 2019</i>		<i>Expected end of 2020</i>
Finland			November 2016	May 2018	April 2019	October 2018	<i>Expected first half of 2020</i>		<i>Expected first half of 2020</i>
France			November 2015	July 2019	September 2019	on- going :early 2020	Jun 2018		<i>On-going process to encourage trials in various</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
									sectors
Germany			June 2015			June 2019	Expected 2020		
Greece	Expected Q1 2020	Expected Q3 2020	Expected Q4 2020	Expected Q1 2020	Expected Q3 2020	Expected Q4 2020	Expected Q1 2020	Expected Q3 2020	Expected Q4 2020
Hungary	July 2019	December 2018	Started on 18 July 2019	July 2019	December 2018	Started on 18 July 2019	July 2017		
Ireland	20 Dec 2019 ComReg doc: 19/124 Draft Info Memorandum – March 2020	April / May 2020	Expected Q4 2020	July & December 2015	January 2018	Completed May 2017	Study Q2/2020		
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	Autumn 2019		November 2020	March 2018		September 2018	Expected Spring/ Summer 2021* * at present 3 operators have been granted technology neutral rights of use of total		Autumn/ Winter 2021, if the result of consultation will not be different.

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	Public consultation	Peer review	Award	Public consultation	Peer review	Award	Public consultation	Peer review	Award
							336 MHz bandwidth and there are not any applications from operators to use wider bandwidth at present.		
Lithuania	May 2018		<i>The second half of 2020. Restricted usage because of cross-border coordination issues at least until 2022-2023.</i>	May 2018 March 2019		<i>The second half of 2020.</i>	<i>Expected by 31 March 2020.</i>		<i>Expected October 2020.</i>
Luxembourg	May 2019		<i>Expected first half of 2020</i>	May 2019		<i>Expected first half of 2020</i>	<i>Expected first half of 2020</i>		<i>Expected second half of 2020</i>
Malta	Q1 2020		<i>Expected June 2021</i>	Q1 2020		<i>Expected before 2021</i>	Q1 2020		<i>Expected before 2021</i>
Netherlands	Q4 2019		<i>Expected Q2 2020</i>	March 2019		<i>Expected end of 2021/beginning of 2022</i>	Q1 2020 (PC ends 28/02/2020)		
Poland	Preconsultatio		<i>Before 30 June</i>	Preconsultatio		<i>Until June</i>	August 2018		<i>Expected</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
	n August 2018 and 2019 <i>Expected Q1 2022</i>		2022	n August 2018 Consultation <i>December 2019/January 2020</i>		2020	<i>Expected Q1 2021</i>		<i>before 2022 (subject of market demand)</i>
Portugal	April 2018 & Oct.2019 (RoU and award procedure) <i>Consultation on the auction rules expected for Jan.2020</i>		<i>Expected before July 2020</i>	April 2018&Oct.2019 (RoU and award procedure) <i>Consultation on the auction rules expected for Jan.2020</i>		<i>Expected before July 2020</i> 100 MHz (3.4-3.5 GHz) can already be use in accordance with the new technical conditions (decision from Dec.2019)	April 2018		
Romania	August 2019		<i>Expected before July 2020</i>	August 2019		<i>Expected before July 2020</i>	December 2018 August 2019 <i>Expected Q2 2020</i>		<i>Expected before 2022 (subject of market demand)</i>
Slovakia	December 2019	Expected after tender for 700 MHz band (in	Q2 2020	3.4-3.6 GHz: October 2014 3.6-3.8 GHz: November		3.4-3.6 GHz: May 2016 3.6-3.8 GHz: July 2017	Not expected to take place in 2020.		Not expected to take place in 2020 <i>(subject of</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
		2021).		2013					<i>negotiation with military).</i>
Slovenia	<i>Expected December 2019</i>	December 2018 Q1/2020	<i>Expected June/October 2020</i>	<i>Expected December 2019</i>	Q1/2020	<i>Expected June/October 2020</i>	<i>Expected December 2019</i>	Q1/2020	<i>Expected June/October 2020</i>
Spain	2017 and 2019		<i>Early 2020</i>	2017		July 2018	2017 and 2019		
Sweden	July 2018	May 2018 February 2019	December 2018	July 2019	April 2019	<i>Expected 2020</i>	December 2019		<i>Expected 2020</i>
United Kingdom	December 2018	February 2019 May 2019	<i>Expected before May 2020</i>	3.4-3.6 GHz: November 2016 3.6-3.8 GHz: December 2018 Defrag: June 2019	3.4-3.6 GHz: June 2018 3.6-3.8 GHz: February 2019 May 2019	3.4-3.6 GHz: April 2018 3600-3680 MHz – already assigned 3680 MHz - 3800 MHz: <i>Expected before May 2020</i>	July 2017 24.25-26.5 GHz: July 2019	NB Peer Review not applicable as spectrum being made available through non-competitive process	24.25-26.5 GHz: Made local licences available on demand subject to co-ordination
Norway	2018		June 2019	August 2019		3.6-3.8 GHz already assigned for 5G The whole band expected to be assigned	August 2019		Test licences awarded in 2019. No clear market demand, award is

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	Public consultation	Peer review	Award	Public consultation	Peer review	Award	Public consultation	Peer review	Award
						in 2021			not expected to take place in 2020

Spectrum already assigned and fully usable

Spectrum already assigned but not (partially or fully) usable