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Electronic Communications Networks and Services

Radio Spectrum Policy Group

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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 May 2020.

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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>Postponed/new date tbc</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>		By 30/06/2020	<i>Expected Q2 2020</i>		By 30/06/2020	<i>Expected Q4 2020</i>		
Croatia	<i>Expected Q3 2020</i>		<i>Expected by December 2021</i>	<i>Expected Q3 2020</i>		<i>Expected by December 2021</i>	Yet to be decided		No requirement for additional spectrum from MNO
Cyprus	September 2019		<i>Expected by end 2020</i>	September 2019		<i>Expected by end 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 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	<i>Q1 2020</i>		June 2020
France			November 2015	July 2019	September 2019	on-going Q1 2020 (but delayed)	Jun 2018		<i>On-going process to encourage</i>

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	Public consultation	Peer review	Award	Public consultation	Peer review	Award	Public consultation	Peer review	Award
									<i>trials in various sectors</i>
Germany			June 2015			June 2019	<i>Expected 2020</i>		
Greece	Q2 2020	<i>Expected Q3 2020</i>	<i>Expected November 2020</i>	Q2 2020	<i>Expected Q3 2020</i>	<i>Expected November 2020</i>	Q2 2020	<i>Expected Q3 2020</i>	<i>Expected November 2020</i>
Hungary	June 2019	December 2018	April 2020	June 2019	December 2018	April 2020	July 2017 and December 2019		
Ireland	20 Dec 2019 ComReg doc: 19/124 Draft Info Memorandum – March 2020	June 2020	Q4 2020	July & December 2015	January 2018	Completed May 2017	Study Q4/2020		
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	<i>Expected Spring/ Summer 2021*</i> <i>* at present 3 operators have</i>		Autumn/ Winter 2021, if the result of consultation

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	Public consultation	Peer review	Award	Public consultation	Peer review	Award	Public consultation	Peer review	Award
							<i>been granted technology neutral rights of use of total 336 MHz bandwidth and there are not any applications from operators to use wider bandwidth at present.</i>		n will not be different.
Lithuania	May 2018		<i>Restricted usage because of cross-border coordination issues(at least until 2022)</i>	May 2018 March 2019		<i>Expected Q4 2020</i>	April 2020		<i>Expected October 2020</i>
Luxembourg	May 2019		<i>Expected mid 2020</i>	May 2019		<i>Expected mid 2020</i>	<i>Expected Q3/2020</i>		<i>Expected end 2020/ beginning 2021</i>
Malta	Q2 2020		<i>Expected June 2021</i>	Q2 2020		<i>Expected before 2021</i>	Q2 2020		<i>Expected before 2021</i>
Netherlands	Q4 2019		<i>June 2020</i>	March 2019		<i>Expected beginning of</i>			<i>Expected 2021</i>

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	Public consultation	Peer review	Award	Public consultation	Peer review	Award	Public consultation	Peer review	Award
						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>End June 2020 (may be delayed)</i>	August 2018 <i>Expected Q1 2021</i>		<i>Expected before 2022 (subject of market demand)</i>
Portugal	April 2018 & Oct.2019 (RoU and award procedure) <i>Consultation on the auction rules launched Q1 2020, but currently suspended)</i>		<i>Expected before July 2020</i>	April 2018&Oct.2019 (RoU and award procedure) <i>Consultation on the auction rules launched Q1 2020, but currently suspended)</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 end of 2020</i>	Second half of 2019		<i>Expected end of 2020</i>	Strategy for multiband auction in first half of 2019, where this band was postponed; questionnaire		<i>Probably before the end of 2022 (subject to clear market demand))</i>

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	Public consultation	Peer review	Award	Public consultation	Peer review	Award	Public consultation	Peer review	Award
							on market demand in 2020		
Slovakia	December 2019	Expected after tender for 700 MHz band (in 2021).	<i>Q2 2020 (ongoing)</i>	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	Not expected to take place in 2020.		Not expected to take place in 2020 (<i>subject of negotiation with military</i>).
Slovenia	<i>Expected December 2019</i>	December 2018 Q1/2020	Postponed until 31 December 2021 due to unresolved cross-border coordination issues resulting in harmful interferences.	<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>Expected Q2 2020 (but process suspended as of April 2020)</i>	2017		July 2018	2017 and 2019		
Sweden	July 2018	May 2018 February 2019	December 2018	July 2019	April 2019	<i>November 2020</i>	December 2019		<i>Expected 2020</i>

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	Public consultation	Peer review	Award	Public consultation	Peer review	Award	Public consultation	Peer review	Award
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