



EUROPEAN COMMISSION
DIRECTORATE-GENERAL FOR COMMUNICATIONS NETWORKS, CONTENT AND
TECHNOLOGY

Connectivity
Radio Spectrum Policy Group
RSPG Secretariat

Brussels, 07 June 2022

RSPG22-011 FINAL

RADIO SPECTRUM POLICY GROUP

State of play regarding award of 5G pioneer bands

The attached table represents information as of 31/06/2022. The information has been provided by the RSPG Members and Observers.

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 2023</i>
Belgium	July 2017		<i>Expected June 2022</i>	June 2017		Provisional rights have been awarded for the band 3600-3800 MHz in July 2020, <i>Expected June 2022</i>	June 2019		No award planned
Bulgaria	<i>August 2020</i>		<i>In 2022, a new public consultation is planned.</i>	December 2020 – January 2021		May 2021	January – February 2021		<i>In 2022, a new public consultation is planned</i>
Croatia	April 2021	10 th May 2021*	12 August 2021	April 2021	10 May 2021*	12 August 2021	April 2021	10 th May 2021*	12 August 2021
Cyprus	September 2019		<i>December 2020</i>	September 2019		<i>December 2020</i>	September 2019		<i>Not expected in 2020 (subject to clear market)</i>

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	Public consultation	Peer review	Award	Public consultation	Peer review	Award	Public consultation	Peer review	Award
									<i>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	December 2020		April 2021	August 2018 and December 2020		April 2021
Estonia	July 2014 and November 2019		<i>Expected in July 2022</i>	April 2018	January 2022	<i>February 2022</i>	<i>November 2019</i>		<i>Expected by the end of 2022</i>
Finland			November 2016	May 2018	April 2019	October 2018	February 2020		June 2020
France			November 2015	July 2019	September 2019	October 2020	1 st public consultation in Jun 2018 New public consultation of market demand on May-September 2022		<i>On-going process to encourage trials in various sectors</i>
Germany			June 2015			June 2019	October 2018 February 2020 August 2020	n.a.	<i>(Individual frequency assignments: - on</i>

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	Public consultation	Peer review	Award	Public consultation	Peer review	Award	Public consultation	Peer review	Award
									<i>application - for 15 years with the possibility of extension - since end of 2020)</i>
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	May 2021	Completed December 2020	August – September 2020	May 2021	Completed December 2020 10 MHz (3.400-3.410 GHz) have been reserved for by the Ministry of Digital Governanc e for pilot projects. A pilot is already ongoing with another two expected to start by end of	August – September 2020	May 2021	Completed December 2020 200 MHz (24.250 – 24.450 GHz) have been reserved by the Ministry of Digital Governanc e on secondary basis for pilot project

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						August 2022.			
Hungary	June 2019	December 2018	April 2020	June 2019	December 2018	April 2020	July 2017, December 2019 and March 2022	TBD	There is no market demand for 5G. The existing operators (4 MNO and 1 broadcasting company) want to use the band for P-P purposes until the expire date of their licences.
Ireland	Completed Dec 2020: ComReg doc: 20/122	Completed- 30 June 2020	<i>Underway: April 2021 ComReg Doc:21/40 Legal Appeal pending: ComReg doc: 21/04R</i>	Completed: December 2015	Completed: January 2018	Completed: May 2017	Study determined there is no current demand – ComReg doc: 21/07	NA	NA
Italy	March 2018	December 2018	October 2018 Spectrum	3.4-3.6 GHz January 2018	December 2018	3.4-3.6 GHz Extended	March 2018	December 2018	October 2018

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			usable nationally from 1 July 2022	(for 5G use) 3.6-3.8 GHz March 2018		licenses for 5G use November 2018 3.6-3.8 GHz October 2018			
Latvia	November 2021		Awarded on 16 December 2021. Available for use from February 2022.	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 consultation on most optimal use of the band is planned</i>		Before 2024 (depending on results of public consultation)
Lithuania	May 2018 June 2021 October 2021	22 June 2021	<i>Expected Q2 2022. The auction,</i>	May 2018 March 2019 January 2021		<i>Expected in June 2022. The</i>	April 2020		1.2 GHz is available. Waiting for

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			<i>announced on 25 of October 2021, is ongoing.</i>	February 2021 March 2022		<i>auction, announced on 31 of March 2022, is ongoing.</i>			requirements from MNO.
Luxembourg	May 2019		August 2020	May 2019		August 2020	October 2020		Public consultation in Q4-2020 showed no immediate demand from stakeholders; award postponed until demand apparent; possibility to request temporarily licences.
Malta	5 February 2021	23 March 2021*	Subject to market demand (part of the band is used for 5G trials)	5 February 2021	23 March 2021*	3.5-3.6 GHz: <i>Aug. 2021</i> 3.6-3.7 GHz: <i>May 2021</i>	5 February 2021	23 March 2021*	Subject to market demand

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						<p><i>3.7-3.8 GHz: Oct. 2021</i></p> <p><i>The band 3.4-3.5 GHz remains unassigned due to a lack of market interest.</i></p>			
Netherlands	December 2019 – February 2020		<i>July 2020</i>	May/June 2021	24 June 2021*	Award will be rescheduled following the advice of an independent advisory committee regarding the safeguarding of existing distress and safety communication services in the band.	<i>Public consultation of award policy expected Q2/Q3 2022</i>		TBD, depending on outcome public consultation

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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 Consultation on the block "0" (3410-3480 MHz) December 2021-March 2022		<i>Expected Q2 2022</i>	August 2018 Q3 2020		<i>Expected 2023 (subject of market demand)</i>
Portugal	April 2018 & Oct.2019 (RoU and award procedure) Consultation on the auction rules was launched Q1 2020, it was suspended due to pandemic and ended in July 2020.		Initially planned for Q2 2020, due to the suspension of the public consultation, it started on the Q4 2020. The licences were awarded in 2021.	April 2018 & Oct.2019 (RoU and award procedure) Consultation on the auction rules was launched Q1 2020, it was suspended due to pandemic and ended in July 2020.		Initially planned for Q2 2020, due to the suspension of the public consultation, it started on the Q4 2020. The licences were awarded in 2021.	April 2018 (1 st consultation). A second consultation took place between December 2021 and March 2022 and the contributions are currently under analysis.		TBD according to market demand.
Romania	First public		<i>Expected 2022</i>	First public		<i>255 MHz</i>	Strategy for		<i>Possibly</i>

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	consultation - August 2019 <i>Second public consultation expected – Q2 2022 (after the transposition of EECC in the national legislation)</i>			consultation - August 2019 <i>Second public consultation expected – Q2 2022 (after the transposition of EECC in the national legislation)</i>		<i>have already been allotted since 2015 (valid during 2016-2025) Additional 90 MHz - expected in 2021 (valid until 2025)</i> <i>All 400 MHz - expected in 2022 (the rights of use will start in 2026)</i>	multi-band auction publicly consulted in the first half of 2019, where this band was postponed; dedicated questionnaire on market demand in 2021		<i>before the end of 2024 (subject to clear market demand)</i>
Slovakia	December 2019		December 2020	3.4-3.6 GHz: October 2014 3.6-3.8 GHz: November 2013 New tender preparation. Public consultation		3.4-3.6 GHz: May 2016 3.6-3.8 GHz July 2017 3410 – 3800 MHz awarded to	Public discussion was held in November 2020.		Public discussion result - no interest in the market at a present time. Not expected to take

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				started in December 17 th 2021. Deadline for submitting contributions or proposals is January 31 st 2022.		four tender participants. Tender has started 01.03.2022. Finished 05.05.2022. Three of them 100 MHz (each one), one of them 90 MHz. Licence validity 09.2025 – 12.2045.			place before 2023 (subject of negotiation with military).
Slovenia	<i>Q3 2020</i>	December 2018 October 2020	<i>June 2021</i>	Q3 2020 (3.42-3.8 GHz) Q2 2022 (3.4-3.42 GHz)	October 2020 <i>June/July 2022</i>	<i>June 2021</i>	Q3 2020	October 2020	<i>June 2021</i>
Spain	2017 and 2019	December 2020	July 2021	2017		July 2018 20 MHz awarded in April 2021	2017, 2019 and 2021		2022
Sweden	July 2018	May 2018 February 2019	December 2018	July 2019	April 2019	National licenses January 2021	December 2019 May 2022		November 2021 Local licences in 24,25 –

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	Public consultation	Peer review	Award	Public consultation	Peer review	Award	Public consultation	Peer review	Award
						Local licenses November 2021			25,1 GHz
Norway	2018		June 2019	August 2019		September 2021	August 2019 Planned new public consultation in 2022		Test licences awarded in 2019. So far, no clear market demand.
Iceland	2015		2017, except the lowest 2x10 part which is planned to be assigned 2021/2022	2015		3.5-3.8 GHz already assigned for 5G 3.4 GHz planned for auction in 2021/2022			No clear market demand. Not expected to be awarded in the upcoming award process in 2021/2022
Serbia	Public call for expressions of interest to use		Expected by the end of 2022 (depends	Public call for expressions of interest to use		Expected by the end of 2022			Not expected to be

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	Public consultation	Peer review	Award	Public consultation	Peer review	Award	Public consultation	Peer review	Award
	radio frequencies from the 700 MHz band – May 2021 – 4 parties submitted their expression of interest		on the decision of the competent Ministry)	radio frequencies from the 3.4-3.8 GHz band – May 2021 – 4 parties submitted their expression of interest		(depends on the decision of the competent Ministry)			awarded in the upcoming award process

*Peer Review Forum held in line with the provisions of Article 35 of the [European Electronic Communications Code](#).