



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

Connectivity
Radio Spectrum Policy Group
RSPG Secretariat

Brussels, 09 February 2022

RSPG22-002 FINAL

RADIO SPECTRUM POLICY GROUP

State of play regarding award of 5G pioneer bands

The attached table represents information as of 02/02/2022. 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 by Q3 2022/Q1 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</i> |

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| | | | | | | | | | <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 | 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 | <i>1st public consultation in Jun 2018 New public consultation of market demand expected S1 2022</i> | | <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:</i> |

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| | | | | | | | | | - on application - 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 | May 2021 | Completed December 2020 | August – September 2020 | May 2021 | Completed December 2020 | August – September 2020 | May 2021 | Completed December 2020 |
| Hungary | June 2019 | December 2018 | April 2020 | June 2019 | December 2018 | April 2020 | July 2017 and December 2019 | | |
| Ireland | Completed Dec 2020: ComReg doc: 20/122 | Completed- 30 June 2020 | <i>Underway: April 2021 ComReg Doc:21/40 Legal Appeal</i> | Completed: December 2015 | Completed: January 2018 | Completed: May 2017 | Study determined there is no current demand – ComReg doc: 21/07 | NA | NA |

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| | | | <i>pending: ComReg doc: 21/04R</i> | | | | | | |
| 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 November 2018 3.6-3.8 GHz October 2018 | March 2018 | December 2018 | 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</i> | | Before 2024 (depending on results of public consultation) |

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| | | | | | | | <i>use of the band is planned</i> | | |
| Lithuania | May 2018 June 2021 October 2021 (RRT director's order 1V-957) | 22 June 2021 | May 2022 (The auction was announced on 25 of October. RRT director's order 1V-968), amended at 20 th of January 2022. RRT directors order No. 1V-44 | May 2018 March 2019 January 2021 February 2021 | | Expected Q2 2022 | April 2020 | | 1.2 GHz is available. Waiting for 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 |

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| | | | | | | | | | 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> 3.7-3.8 GHz: <i>Oct. 2021</i> <i>The band 3.4-3.5 GHz remains unassigned due to a lack of market interest.</i> | 5 February 2021 | 23 March 2021* | Subject to market demand |
| Netherlands | December 2019 – February 2020 | | <i>July 2020</i> | May/June 2021 | 24 June 2021* | <i>To be rescheduled, depending on conclusions of independent</i> | <i>Public consultation of award policy expected Q1/Q2 2022</i> | | TBD, depending on outcome public consultation |

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| | | | | | | <i>t advisory committee regarding the safeguarding of existing distress and safety communication services in the band. Advice is expected in May 2022.</i> | | | |
| 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 & | | Initially | April 2018 & | | Initially | April 2018 (1 st) | | TBD |

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| | <p>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>planned for Q2 2020, due to the suspension of the public consultation, it started on the Q4 2020. The licences were awarded in 2021.</p> | <p>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>planned for Q2 2020, due to the suspension of the public consultation, it started on the Q4 2020. The licences were awarded in 2021.</p> | <p>consultation).</p> <p>A second consultation was launched in December 2021 and is currently ongoing.</p> | | <p>according to market demand.</p> |
| Romania | <p>First public consultation - August 2019</p> <p>Second public consultation expected – Q2 2022 (after the transposition of EECC in the national legislation)</p> | | <p><i>Expected 2022</i></p> | <p>First public consultation - August 2019</p> <p>Second public consultation expected – Q2 2022 (after the transposition of EECC in the national legislation)</p> | | <p>255 MHz have already been allotted since 2015 (valid during 2016-2025)</p> <p>Additional 90 MHz - expected in 2021 (valid until 2025)</p> <p>All 400 MHz -</p> | <p>Strategy for multi-band auction publicly consulted in the first half of 2019, where this band was postponed; dedicated questionnaire on market demand in 2021</p> | | <p><i>Possibly before the end of 2024 (subject to clear market demand)</i></p> |

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| | | | | | | <i>expected in 2022 (the rights of use will start in 2026)</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 started in December 17 th 2021. Deadline for submitting contributions or proposals is January 31 st 2022. | | 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 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 | July 2021 | 2017 | | July 2018 | 2017, 2019 and | | 2022 |

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| | Public consultation | Peer review | Award | Public consultation | Peer review | Award | Public consultation | Peer review | Award |
| | | 2020 | | | | 20 MHz awarded in April 2021 | 2021 | | |
| Sweden | July 2018 | May 2018 February 2019 | December 2018 | July 2019 | April 2019 | National licenses January 2021 Local licenses November 2021 | December 2019 | | November 2021 Local licences in 24,25 – 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 |

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| | Public consultation | Peer review | Award | Public consultation | Peer review | Award | Public consultation | Peer review | Award |
| | | | | | | | | | upcoming award process in 2021/2022 |
| Serbia | Public call for expressions of interest to use radio frequencies from the 700 MHz band – May 2021 – 4 parties submitted their expression of interest | | Expected by the end of 2022 (depends on the decision of the competent Ministry) | Public call for expressions of interest to use radio frequencies from the 3.4-3.8 GHz band – May 2021 – 4 parties submitted their expression of interest | | Expected by the end of 2022 (depends on the decision of the competent Ministry) | | | Not expected to be awarded in the upcoming award process |

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