Public debriefing plan

First part
• Results of the elections for the BEREC Chair 2025 and miniboard composition 2024;
• Draft BEREC Work Programme 2024;
• Draft BEREC Report on Member States’ best practices to support the defining of adequate broadband Internet Access Service (IAS);
• Draft BEREC Guidelines detailing Quality of Services (QoS) parameters;

Q&A session

Second part
• BEREC Report on Secure 5G networks
• BEREC updates

Q&A session
BEREC Chair 2025 and the new miniboard 2024

BEREC Chair 2023
Kostas Masselos (EETT)
BEREC elections

• BEREC Chair 2025:
  • Robert Mourik – Chairman of Comreg (Ireland)

• BEREC Vice-Chairs 2024:
  • Patrícia Silva Gonçalves – Member of the Board of ANACOM (Portugal)
  • Laure de La Raudière – Chairwoman of Arcep (France)

• Representative of the BEREC participants without voting rights:
  • Hrafnkell V. Gíslason – Managing Director of ECOI (Iceland)
Draft BEREC Work Programme 2024

Incoming BEREC Chair 2024
Tonko Obuljen (HAKOM)
Structure of the WP

- Same structure as WP 2023

- Work items:
  - Divided among three strategic priorities (in accordance with BEREC Strategy 2021-2025)
    - Full Connectivity, Sustainable and Open Digital Markets, Empowering End Users
    - Stemming from BEREC’s other tasks
    - Cooperation with other institutions and Stakeholder engagement chapters
  - Future work

- 46 work items: 20 mandatory, 10 carry-overs, 16 prioritization exercise

- Additional work items for BEREC Chair/Incoming Chair (Stakeholder Forum 2024, Outline WP 2025 and WP 2025, Communication Plan 2024, Annual Reports)
Strategic priorities

• Promoting full connectivity - 13 work items under this strategic priority covering broad scope: 5G networks, network resilience, SatCom, DDPP, remedies, infrastructure

• Thriving sustainable and open digital markets - 10 work items under this strategic priority covering market roles, new NRA powers, sustainability challenges

• Empowering end users - 4 work items under this strategic priority covering adequate broadband Internet Access Service (IAS), QoS parameters, environmental issues and Opinion on Article 123 of the Code

• BERC’s other tasks – 19 work items covering different mandatory tasks under EU legislation (e.g. roaming, Article 32/33 cases, ad hoc tasks)
# Workload per WG

<table>
<thead>
<tr>
<th>WG</th>
<th>Reports</th>
<th>Workshops</th>
<th>Guidelines</th>
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# Workload per Plenary

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Main messages

• Heavy workload – comparable number of deliverables as in 2023 - emphasis on maintaining high quality of deliverables (several workshops instead of reports + mergers of some of the proposed items + some items postponed for 2025 or later)

• Work on new strategy - setting objectives for the new period (2026-2030) in light of relevant market, technological and regulatory developments - to define internal process

• New NRA competences – challenges
What comes next?

- Public Consultation is open until 3 November 2023
- Adoption of the WP on 7 December 2023
Draft BEREC Report on Member States’ best practices to support the defining of adequate broadband Internet Access Service (IAS)

End user Working Group

Marina Ljubić Karanović (HAKOM), Indre Jurgelioniene (RRT)
In accordance with Article 84 (3) of the EECC:

• “BEREC shall, in order to contribute towards a consistent application of this Article, after consulting stakeholders and in close cooperation with the Commission, taking into account available Commission (Eurostat) data, draw up a report on Member States’ best practices to support the defining of adequate broadband internet access service […].”

In 2020 BEREC published the first report BoR (20) 99, but

• Before transposition of EECC
• Results were based on the experience of broadband in 9 countries

Draft Report – extensive survey of 29 countries (27 EU Members, 2 Non-EU Members)
Content of the draft Report

Introduction

1. The policy principle - Article 84 of the EECC

2. Relevant experience that BEREC can draw on (BEREC, EC, other)

3. State of play of definition of adequate broadband in context of universal service, covering issues in the following blocks (based on the questionnaire):
   - Definition (legislation)
   - Methodology/Analysis/Assumptions used
   - Obligations
   - Funding
   - Monitoring and compliance

4. Challenges, if indicated by MS

Conclusions
Main findings (definitions)

Based on the NRA data from the questionnaire 2023 June

Cyprus; 10; 2
Germany; 10; 1.7
Lithuania; 10; 1
Greece; 10; 1
Slovak Rep; 10; 1
Croatia; 7; 1
Czech Rep; 10; 1
Portugal; 12; 2
Latvia; 6; 2
Hungary; 8; 2
Malta; 30; 1.5

Remark:
- Belgium (30 Mbps in 2027)
- Spain (30 Mbps pending on Royal Decree)
- Luxembourg (30 Mbps - Regulation Project in consultation)
Main findings (obligations)

- 9 countries have in place obligations on service providers to ensure universal service, including adequate broadband IAS, at a local or national level.
- The majority of the countries informed that they haven’t imposed obligations or do not intend to consider obligations.
Challenges and conclusions

**Safety net**

- Tool for inclusion
- Change in defining ABB IAS only in 2021/2022 in the majority of countries
- Although not applicable in all the MSs, should remain

**Impact of EECC**

**Covid-19 pandemic**

- Annex V and beyond
- Discussions for assessing the list of online service to ensure end-users needs
Next steps

Public consultation until 10 November 2023

Questions for the stakeholders:

1. Could you please comment on relevant experiences or criteria considered valuable to support Member States in defining the adequate broadband Internet Access Service?

2. Could you please comment on Minimum requirements for defining the adequate broadband internet access service within the framework of the universal service provision (e.g. upload and download speed, data volume, etc.)?

3. Which end users should benefit from the universal service provision, and what constitutes a reasonable request (criteria)?

4. Could you please comment on the issue of affordability (e.g. maximum retail price, special retail prices for special user groups, etc.) and/or availability measures (e.g. geographical criteria, distance from the existing network, connection cost, etc.) necessary to ensure access to adequate broadband Internet Access Service?

5. Do you have any other relevant comment?
Draft BEREC Guidelines detailing Quality of Services (QoS) parameters

End user Working Group
Marina Ljubić Karanović (HAKOM), Indre Jurgelioniene (RRT)
Background

• Article 104 EECC, NRA may require operators of IAS and ICS to publish information on the quality of their services

• Article 4 BEREC Regulation, BEREC issues guidelines regarding:
  ✓ relevant quality of service parameters (including for users with disabilities)
  ✓ applicable measurement methods
  ✓ content and format of publication
  ✓ quality certification mechanisms

• In 2020 BEREC published the first guidelines; revision starts every two years
Revision

BASIC INFORMATION

• Revision is based on the expertise and experience from MS

• Structure of document remained (relevant chapters with guidelines that include definitions and measurement methods for QoS parameters)

• Focus on revision of Table 1, Table 1A and Table 2
Revision

WHAT IS NEW:

Updated references to standards and related documents:

• Definition and measurement methods for latency, delay variation and packet loss ratio are listed taking into account existing BEREC work (Guidelines on the Implementation of Open Internet Regulation, Net Neutrality Regulatory Assessment Methodology, Guidelines on VHCN)

• An additional parameter not listed in EECC Annex X - data transmission speed (upload and download), definition and measurement method
Next steps

Public consultation 30 days (until 10 November 2023)

Questions for the stakeholders:

1) Do the existing Guidelines detailing Quality of Service (QoS) parameters assist stakeholders? Are there any challenges to implementing the Guidelines?
2) Which points in the Guidelines could be more detailed or clarified?
3) Which parameters, listed, or even not listed, in Annex X of EECC, mostly assist end-users in evaluating the quality of service?
4) Do you have any other relevant comment?

Final approval of Guidelines for publication – next year, March
Survey

- BEREC surveyed European markets through questionnaires.
- The objective: to understand the present status of resilience and security in electronic communications networks within the participating countries.
- Prepared by BEREC in collaboration with ENISA, the Commission.
- Two questionnaires - one for National Regulatory Authorities (NRAs) and one for operators.
Survey

• Information collection period: 14 April to 26 May 2023
  • (extensions given a deadline of 14 June 2023)
• Answers from operators were collated nationally and were anonymized by respective NRAs
• BEREC received via NRAs:
  • 124 answers from operators
  • 30 from BEREC members (NRAs)
• The list of countries that participated in the Survey is attached to the report in Annex 3
## Questions in scope of this report

### Questionnaire for the NRA:

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<th>Dependencies on other infrastructures:</th>
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### Questionnaire for the Operators

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Example of the visuals

Figure 17 – Equipment replacement strategy.
Findings

• Current state of the 5G rollout, especially SA and slicing
• Highest security risks identified
• Equipment lifetime expectations
• Opinions on the current standards and guidances
• Current situation with the cloud based solutions
• Multivendor usage
• Situation with the equipment replacement
Open issues to focus on in the future

- Multi-vendor strategy in EU markets
- Interoperability tests
- Cloud-based 5G Core and virtualized networks risks
- Slow 5G SA deployment
- The equipment replacement costs
Next steps

• The questions of the survey, that relate to the resilience and dependencies on other infrastructures, will be analysed in a second report for P4

• Open issues to be taken into consideration under the 2 PRDs in 2024
BEREC updates

BEREC Chair 2023
Kostas Masselos (EETT)
Other recent BEREC documents

• During the 56th BEREC Plenary meeting the following documents were approved and published on our website:

✓ The BEREC Report on the implementation of the Open Internet Regulation
✓ the BEREC Guidelines on Very High Capacity Networks (after the public consultation)
✓ the BEREC Report on Sustainability Indicators for Electronic Communications Networks and Services (after the public consultation)
✓ the 4th Intra-EU communications Benchmark Report
✓ the report about the workshop on the evolution of the competition dynamics of tower and access infrastructure companies
BEREC work on glide path for the retail caps roaming – EU/MD Joint statement

• On 22 September 2023: agreement of EU and Moldova operators about the upper retail roaming price caps for data and calls

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<td>Calls received (€/min)</td>
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• BEREC, acting as trustee to discussions between operators, facilitated this agreement
Other updates

• Four-lateral Summit – 4 October 2023:
  ✓ Summit between BEREC-EaPeReg-EMERG-Regulatel
  ✓ Theme: International connectivity
  ✓ Presentation of use cases to achieve connectivity by satellite and submarine cables
  ✓ Discussion about the upcoming trends and challenges regarding international connectivity

• Virtual workshop on the perspectives and regulatory/competition challenges of Internet of Things: **26 October 2023**
## Public consultation

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<td>Draft BEREC Work Programme 2024</td>
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<td>Draft BEREC Guidelines detailing QoS parameters</td>
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See you soon

• Next BEREC public debriefing in mid-December 2023 online

• Save the date – 12th BEREC Stakeholder Forum on 26 March 2024 in Brussels
Let’s stay in touch!

Website: berec.europa.eu/en; possibility to subscribe to newsletters

Twitter: @BERECeuropaeu

YouTube: berec.europa.eu

LinkedIn: Body of European Regulators for Electronic Communications (BEREC)

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