



Connectivity Initiatives

Technical briefing

22 February 2023

Connectivity: facing transformative developments

Developments

- **Technological and market developments** (e.g. cloudification, edge computing, metaverse, AI)
- **Sustainable connectivity infrastructure critical** for further technological and developments digital leadership and autonomy
- Reliable, fast and secure connectivity is a must (See “**Digital Decade**”: 2030 connectivity targets)
- **Massive investments** needed (fibre, densification of antennas, 5G everywhere)

Future of the connectivity sector

- Likely significant impact on the business model of ECN providers => Warrants a broad reflection on the **future of the connectivity sector**:
 - how to secure a resilient connectivity architecture based on a sustainable business model able to support EU’s future digital transformation?

Proposed implementation

- **Short term (Q1 2023): Connectivity package**
 - **Enabling layer: Gigabit Infrastructure Act (Regulation) & draft new Gigabit Recommendation**
 - **Infrastructure of the future: Exploratory Consultation (12 weeks)**
- **Medium term: possible complementary measures**
 - *Set a more long-term vision for the sector*
 - *accompanied (if necessary based on outcome of consultation) by further measures*

The Connectivity Package in brief

Gigabit Infrastructure Act (GIA)

Setting the grounds

- Reduce red tape and burdensome administrative procedures that slow down fibre and 5G deployments and increase cost
- Digitalisation of processes
- Boosting deployment of greener networks

Gigabit Recommendation

Draft to be sent to BEREC for consultation, adoption in spring

- Set the right conditions to reward new investments

Exploratory Consultation

- Launch of **Exploratory Consultation**, 12 weeks
- Broad on the future of the telecoms sector and infrastructure, including fair share contribution

Gigabit Infrastructure Act (GIA)

Meeting Digital Decade Gigabit Connectivity targets by making deployment of very high capacity networks faster and cheaper

Objectives

Reducing administrative burden and costs for ECNs

(streamline permits and limit fees; digitalisation of permit granting; better and more information on infrastructure and planned civil works in electronic format; single digital interface)

Accelerate rapid 5G deployment

(new possibility to access public physical infrastructure, such as public buildings' rooftops; inclusion of independent TowerCos in scope)

Foster fibre deployment

(new and renovated buildings pre-equipped with fibre, buildings fibre-readiness, clearer conditions for access to physical infrastructure (including in-building) and coordination of civil works)

Gigabit Recommendation*

Objectives

Achieving new Gigabit targets by ensuring appropriate reward for investment risks for fibre and new ducts

Promoting market-based approach reflecting geographically differentiated competitive conditions in the EU and MS

Broadening further the scope of pricing flexibility

Providing guidelines on migration from copper to fibre networks

* Replacing the recommendations on Next Generation Access (NGA, 2010) and Non-Discrimination and Costing Methodologies (NDCM, 2013)

6 * Obligatory consultation with BEREC (approx. 2 months), Adoption in Q2 2023

Exploratory consultation*

“The future of the electronic communications sector and its infrastructure”

Topics of questionnaire

Technological and market developments impacts on future networks and business models for electronic communications

Fairness for consumers

Barriers to Single Market (spectrum, intra-EU communications, etc)

Fair contribution by all digital players

* Planned to be published in EN, FR and DE via EUSurvey
Duration: 12 weeks

Thank you



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