



**2016/2305(INI)**

1.2.2017

# **AMENDMENTS**

## **1 - 36**

**Draft opinion**

**Silvia Costa**

(PE595.493v01-00)

Internet connectivity for growth, competitiveness and cohesion: European gigabit society and 5G  
(2016/2305(INI))



**Amendment 1**  
**Dominique Bilde, Jean-Luc Schaffhauser**

**Draft opinion**  
**Paragraph 1**

*Draft opinion*

1. Notes the Commission's communication on 'Connectivity for a Competitive Digital Single Market' and its '5G for Europe Action Plan', which present a far-reaching vision for a European gigabit society;

*Amendment*

1. Notes the Commission's communication on 'Connectivity for a Competitive Digital Single Market' and its '5G for Europe Action Plan', which present a far-reaching vision for a European gigabit society; ***regrets, however, that no mention is made of aspects relating to the digital sovereignty of the Member States; regrets also that no mention is made of a genuinely exclusive European data policy, such data being a key element of the digital economy, or of 5G applications; requires all public or private corporate or individual European operators to have access to data from standard cloud storage or data stored in the territory of the European Union in accordance with the relevant legal provisions;***

Or. fr

**Amendment 2**  
**Emma McClarkin, Zdzisław Krasnodebski, Angel Dzhambazki**

**Draft opinion**  
**Paragraph 1**

*Draft opinion*

1. Notes the Commission's communication on 'Connectivity for a Competitive Digital Single Market' and its '5G for Europe Action Plan', which present ***a far-reaching vision for a European gigabit society;***

*Amendment*

1. Notes the Commission's communication on 'Connectivity for a Competitive Digital Single Market' and its '5G for Europe Action Plan', which present ***an exciting opportunity for Member States to enable their cultural and creative innovators, in particular SMEs, to further compete on the global stage and showcase their entrepreneurial and innovative talent;***

**Amendment 3**

**Therese Comodini Cachia, Bogdan Brunon Wenta, Marc Joulaud**

**Draft opinion**

**Paragraph 1 a (new)**

*Draft opinion*

*Amendment*

***1 a. Welcomes the Gigabit Society targets to attain network speeds of 100Mbps for all European consumers and from 1Gbps to 100Gbps in the future for the main socio-economic drivers such as schools, major transport hubs, financial institutions and digitally intensive businesses;***

Or. en

**Amendment 4**

**Michel Reimon**

**Draft opinion**

**Paragraph 2**

*Draft opinion*

*Amendment*

2. Welcomes the ambitious plan to provide ultra-fast internet in primary and secondary schools and libraries by 2025; stresses that faster and better connectivity provides huge opportunities to enhance teaching methods, to foster research and to develop high-quality educational services online; highlights the fact that such opportunities will enhance children's and students' digital skills and media literacy;

2. Welcomes the ambitious plan to provide ultra-fast internet in primary and secondary schools and libraries by 2025; stresses that faster and better connectivity provides huge opportunities to enhance teaching methods, to foster research and to develop high-quality educational services online; ***stresses that roll-out of these technologies creates better opportunities for distance learning, particularly in rural areas and outermost regions***; highlights the fact that such opportunities will enhance children's and students' digital skills and media literacy; ***stresses that the adaptation of education and training systems is vital to meet the increasing demand for digitally skilled professionals in the EU; emphasises that, in order to***

*achieve a true digital single market in Europe, further efforts are needed to improve media literacy among citizens in particular children and minors;*

Or. en

**Amendment 5**  
**Dominique Bilde, Jean-Luc Schaffhauser**

**Draft opinion**  
**Paragraph 2**

*Draft opinion*

2. Welcomes the ambitious plan to provide ultra-fast internet in primary and secondary schools and libraries by 2025; stresses that faster and better connectivity provides huge opportunities to enhance teaching methods, to foster research and to develop high-quality educational services online; highlights the fact that such opportunities will enhance children's and students' digital skills and media literacy;

*Amendment*

2. Welcomes the ambitious plan to provide ultra-fast internet in primary and secondary schools and libraries by 2025; stresses that faster and better connectivity provides huge opportunities to enhance teaching methods, to foster research and to develop high-quality educational services online; highlights the fact that such opportunities will enhance children's and students' digital skills and media literacy; *points out, however, the uneven integration of digital technology into national education in the EU Member States, with France being 18th in the European ranking for 2012; calls for a detailed report on the two Commission initiatives in 2012 and 2013: the 'Rethinking Education' strategy and 'Opening up the education and training systems to the wider world;'*

Or. fr

**Amendment 6**  
**Emma McClarkin, Zdzisław Krasnodebski, Angel Dzhambazki**

**Draft opinion**  
**Paragraph 2**

*Draft opinion*

2. Welcomes the ambitious plan to

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*Amendment*

2. Welcomes the ambitious plan to

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**EN**

provide ultra-fast internet in primary and secondary schools and libraries by 2025; stresses that faster and better connectivity provides huge opportunities to enhance teaching methods, to foster research and to develop high-quality educational services online; highlights the fact that such opportunities will enhance children's and students' digital skills and media literacy;

provide ultra-fast internet in primary and secondary schools and libraries by 2025, ***noting that this must be cost-effective and in line with the principles of subsidiarity and proportionality***; stresses that faster and better connectivity provides huge opportunities to enhance teaching methods, to foster research and to develop high-quality educational services online; highlights the fact that such opportunities will enhance children's and students' digital skills and media literacy, ***whilst further enabling Member States to share best practice***;

Or. en

**Amendment 7**  
**Momchil Nekov**

**Draft opinion**  
**Paragraph 2**

*Draft opinion*

2. Welcomes the ambitious plan to provide ultra-fast internet in primary and secondary schools and libraries by 2025; stresses that faster and better connectivity provides huge opportunities to enhance teaching methods, to foster research and to develop high-quality educational services online; highlights the fact that such opportunities will enhance children's and students' digital skills and media literacy;

*Amendment*

2. Welcomes the ambitious plan to provide ultra-fast internet in primary and secondary schools and libraries by 2025; stresses that faster and better connectivity provides huge opportunities to enhance teaching methods, to foster research and to develop high-quality educational services online; highlights the fact that such opportunities will enhance children's and students' digital skills and media literacy; ***emphasises that, in order for the public to take full advantage of the opportunities offered by high-speed internet services, there is a need to promote the development of digital skills and media literacy at all levels of education***;

Or. en

**Amendment 8**  
**Silvia Costa**

**Draft opinion**  
**Paragraph 2**

*Draft opinion*

2. Welcomes the ambitious plan to provide ultra-fast internet in primary and secondary schools and libraries by 2025; stresses that faster and better connectivity provides huge opportunities to enhance teaching methods, to foster research and to develop high-quality educational services online; highlights the fact that such opportunities will enhance children's and students' digital skills and media literacy;

*Amendment*

2. Welcomes the ambitious plan to provide ultra-fast internet in primary and secondary schools, **universities** and libraries by 2025; stresses that faster and better connectivity provides huge opportunities to enhance teaching methods, to foster research and to develop high-quality educational services online; highlights the fact that such opportunities will enhance **teachers'** children's and students' digital skills and media literacy;

Or. en

**Amendment 9**  
**Therese Comodini Cachia, Bogdan Brunon Wenta, Marc Joulaud**

**Draft opinion**  
**Paragraph 2 a (new)**

*Draft opinion*

*Amendment*

**2 a. Believes that 5G is more than an evolution of mobile broadband and that it will be a key enabler of the future digital world, the next generation of ubiquitous ultra-high broadband infrastructure that will support the transformation of processes in all economic sectors (healthcare, energy, utilities, manufacturing, transportation, automotive, VR, online gaming and so forth), and of the growing consumer market demand in every citizen's life;**

Or. en

**Amendment 10**  
**Momchil Nekov**

**Draft opinion**  
**Paragraph 2 a (new)**

**2 a.** *Recalls that the digital revolution is also very challenging for teachers and that it is crucial, therefore, to create opportunities for educators and students to learn and teach in innovative ways; in this regard, points out the importance of investing in lifelong development for teachers;*

Or. en

**Amendment 11**

**Dominique Bilde, Jean-Luc Schaffhauser**

**Draft opinion**

**Paragraph 3**

*Draft opinion*

3. Recognises that 5G can drive the development of exciting and game-changing applications and concepts, such as the Internet of Things (IoT), which can provide a wealth of opportunities for cultural and creative industries by opening up new ways to disseminate content and products widely;

*Amendment*

3. Recognises that 5G can drive the development of exciting and game-changing applications and concepts, such as the Internet of Things (IoT), which can provide a wealth of opportunities for cultural and creative industries by opening up new ways to disseminate content and products widely; *notes, however, the emergence of a number of risks for employment, public freedoms and user privacy, given the lack of control over the European digital sector;*

Or. fr

**Amendment 12**

**Emma McClarkin, Zdzisław Krasnodębski, Angel Dzhambazki**

**Draft opinion**

**Paragraph 3**

*Draft opinion*

3. Recognises that 5G *can* drive the development of exciting and game-

*Amendment*

3. Recognises that 5G *may* drive the development of exciting and game-



changing applications and concepts, such as the Internet of Things (IoT), which **can** provide a wealth of opportunities for cultural and creative industries by opening up new ways to disseminate content and products widely;

changing applications and concepts, such as the Internet of Things (IoT), which **could** provide a wealth of opportunities for cultural and creative industries by opening up new ways to disseminate content and products widely;

Or. en

**Amendment 13**  
**Michel Reimon**

**Draft opinion**  
**Paragraph 3 a (new)**

*Draft opinion*

*Amendment*

**3 a.** *Notes that current industry practices prevent cross-border access to works, particularly in the audio-visual sector, thus discriminating, for example, against cultural minorities; emphasises that a harmonised framework for exceptions and limitations is key to facilitate the easier clearing of rights and to foster cross-border accessibility of knowledge and culture and to allow equal access to cultural diversity;*

Or. en

**Amendment 14**  
**Therese Comodini Cachia, Bogdan Brunon Wenta, Marc Joulaud**

**Draft opinion**  
**Paragraph 3 a (new)**

*Draft opinion*

*Amendment*

**3 a.** *Emphasises the particular importance of improved connectivity in remote areas and isolated regions enabling advances in healthcare, education, media, resource management, transportation, agriculture, and many other areas;*

**Amendment 15**

**Michel Reimon**

**Draft opinion**

**Paragraph 3 b (new)**

*Draft opinion*

*Amendment*

**3 b. Would therefore welcome a business model which enables a separation of network infrastructure ownership and operation so that the present mobile network operators (MNOs) and internet service providers (ISPs) might not dominate; notes that this could mean that local broadcasters could enter a more prolific market among the Member States as local languages and cultural programming would flourish more easily than under dominance by the traditional players;**

Or. en

**Amendment 16**

**Therese Comodini Cachia, Bogdan Brunon Wenta, Marc Joulaud**

**Draft opinion**

**Paragraph 3 b (new)**

*Draft opinion*

*Amendment*

**3 b. Calls on the Commission to promote the deployment of 5G networks and to support 5G-based innovation also in remote areas;**

Or. en

**Amendment 17**

**Dominique Bilde, Jean-Luc Schaffhauser**

**Draft opinion**

## Paragraph 4

### *Draft opinion*

4. Stresses that 5G has the potential to revolutionise access to, and dissemination of, content and to substantially enhance the user experience, while at the same time allowing the development of new forms of cultural and creative content;

### *Amendment*

4. Stresses that 5G has the potential to revolutionise access to, and dissemination of, content and to substantially enhance the user experience, while at the same time allowing the development of new forms of cultural and creative content; ***calls on the Committee on Industry, Research and Energy to be very vigilant with regard to digital data, which will be essential to control once 5G is widely deployed; stresses that it will be necessary to ensure that these data are stored, operated and upgraded with exclusively European companies established on EU territory;***

Or. fr

## Amendment 18 Michel Reimon

### Draft opinion Paragraph 4

### *Draft opinion*

4. Stresses that 5G has the potential to revolutionise access to, and dissemination of, content and to substantially enhance the user experience, while at the same time allowing the development of new forms of cultural and creative content;

### *Amendment*

4. Stresses that 5G has the potential to revolutionise access to, and dissemination of, content and to substantially enhance the user experience, while at the same time allowing the development of new forms of cultural and creative content; ***emphasises that further deployment of digital infrastructure especially in less densely populated areas promotes social and cultural integration, modern educational and information processes and a regional cultural economy;***

Or. en

## Amendment 19 Bogdan Andrzej Zdrojewski

**Draft opinion**  
**Paragraph 4**

*Draft opinion*

4. Stresses that 5G has the potential to revolutionise access to, and dissemination of, content and to substantially enhance the user experience, while at the same time allowing the development of new forms of cultural and creative content;

*Amendment*

4. Stresses that 5G has the potential to revolutionise access to, and dissemination of, content and to substantially enhance the user experience, while at the same time allowing the development of new forms of cultural and creative content; ***in this context, highlights the need for effective measures to fight piracy and a comprehensive approach to improve enforcement of intellectual property rights;***

Or. en

**Amendment 20**  
**Emma McClarkin, Zdzisław Krasnodębski, Angel Dzhambazki**

**Draft opinion**  
**Paragraph 4**

*Draft opinion*

4. Stresses that 5G has the potential to revolutionise access to, and dissemination of, content and to substantially enhance the user experience, while at the same time allowing the development of new forms of cultural and creative content;

*Amendment*

4. Stresses that 5G has the potential to revolutionise access to, and dissemination of, content and to substantially enhance the user experience, while at the same time allowing the development of new forms of cultural and creative content; ***underlines the even greater importance of encouraging rightholders and service providers to ensure easy routes to legal content for consumers to discourage piracy in a 5G age;***

Or. en

**Amendment 21**  
**Therese Comodini Cachia, Bogdan Brunon Wenta, Marc Joulaud**

**Draft opinion**  
**Paragraph 4 a (new)**

*Draft opinion*

*Amendment*

**4 a.** *Considers that Europe should ensure the continuous education of skilled people with regards to new systems and new application domains by establishing and making available 5G skills development curricula in partnership with the European Institute of Innovation and Technology (EIT) Digital;*

Or. en

**Amendment 22**

**Therese Comodini Cachia, Bogdan Brunon Wenta, Marc Joulaud**

**Draft opinion**

**Paragraph 4 b (new)**

*Draft opinion*

*Amendment*

**4 b.** *Believes that 5G will enable new high-quality services, connect new industries and ultimately improve the customer experience for increasingly sophisticated and demanding digital users;*

Or. en

**Amendment 23**

**Therese Comodini Cachia, Bogdan Brunon Wenta, Marc Joulaud**

**Draft opinion**

**Paragraph 4 c (new)**

*Draft opinion*

*Amendment*

**4 c.** *Believes that efforts should be focused on the development of such new skills in system and solution designs through major investment in education, with also the support of the European Social Fund, that together can wipe out the digital divide and avoid digital exclusion;*

**Amendment 24**  
**Michel Reimon**

**Draft opinion**  
**Paragraph 5**

*Draft opinion*

5. Emphasises that the audiovisual sector is one of the key drivers for the success of 5G in Europe and that its progress can make a strong and positive impact on the audiovisual media value chain, including content production, distribution and the user environment; calls on the Commission, therefore, to take into account the needs and specificities of this sector, in particular those related to broadcasting;

*Amendment*

5. Emphasises that the audiovisual sector is one of the key drivers for the success of 5G in Europe and that its progress can make a strong and positive impact on the audiovisual media value chain, including content production, distribution and the user environment; calls on the Commission, therefore, to take into account the needs and specificities of this sector, in particular those related to broadcasting; ***recommends therefore to take these needs and specificities into due account when opening up further spectrum frequencies;***

**Amendment 25**  
**Emma McClarkin, Zdzisław Krasnodębski, Angel Dzhambazki**

**Draft opinion**  
**Paragraph 5**

*Draft opinion*

5. Emphasises that the audiovisual sector is one of the key drivers for the success of 5G in Europe and that its progress can make a strong and positive impact on the audiovisual media value chain, including content production, distribution and the user environment; calls on the Commission, therefore, to take into account the needs and specificities of this sector, in particular those related to broadcasting;

*Amendment*

5. Emphasises that the audiovisual sector is one of the key drivers for the success of 5G in Europe, ***providing jobs and economic growth***, and that its progress can make a strong and positive impact on the audiovisual media value chain, including content production, ***innovation***, distribution and the user environment; calls on the Commission ***and Member States*** therefore, to take into account the needs and specificities of this sector, in particular those related to broadcasting;

**Amendment 26**

**Dominique Bilde, Jean-Luc Schaffhauser**

**Draft opinion**

**Paragraph 5**

*Draft opinion*

5. Emphasises that the audiovisual sector is one of the key drivers for the success of 5G in Europe and that its progress can make a strong and positive impact on the audiovisual media value chain, including content production, distribution and the user environment; calls on the Commission, therefore, to take into account the needs and specificities of this sector, in particular those related to broadcasting;

*Amendment*

5. Emphasises that the audiovisual sector is one of the key drivers for the success of 5G in Europe and that its progress can make a strong and positive impact on the audiovisual media value chain, including content production, distribution and the user environment; calls on the ***Member States and the*** Commission, therefore, to take into account the needs and specificities of this sector, in particular those related to broadcasting;

Or. fr

**Amendment 27**

**Silvia Costa**

**Draft opinion**

**Paragraph 5 a (new)**

*Draft opinion*

*Amendment*

***5 a. Notes the Commission intention to make provisional spectrum bands available for 5G but recalls the importance of taking into due consideration the broadcasting sector, linked to the socially and culturally valuable European Audiovisual Model;***

Or. en

**Amendment 28**

**Michel Reimon**

**Draft opinion**  
**Paragraph 6**

*Draft opinion*

6. Highlights the considerable disparities across Member States as regards access to high-speed internet connections; stresses the importance of ensuring that the development of 5G significantly reduces the digital divide among citizens.

*Amendment*

6. Highlights the considerable disparities across Member States ***and between urban and rural areas*** as regards access to high-speed internet connections; stresses the importance of ensuring that the development of 5G significantly reduces the digital divide among citizens; ***stresses in this context the requirement to ensure that in rural communities and less densely populated areas where private investment is unlikely to occur the need for public investment or co-investment models is identified in order to guarantee the necessary standards in respect of quality of connections, diversity of content and the democratisation of access to internet connectivity; emphasises that access to affordable basic services for vulnerable social groups needs to be assured;***

Or. en

**Amendment 29**  
**Dominique Bilde, Jean-Luc Schaffhauser**

**Draft opinion**  
**Paragraph 6**

*Draft opinion*

6. Highlights the considerable disparities across Member States as regards access to high-speed internet connections; stresses the importance of ensuring that the development of 5G significantly reduces the digital divide among citizens.

*Amendment*

6. Highlights the considerable disparities across Member States as regards access to high-speed internet connections; stresses the importance of ensuring that the development of 5G significantly reduces the digital divide among citizens. ***notes that Europe is struggling to hold its own in the digital economy, with the supply of digital products and services continuing to shift towards Asia and the United States, reflecting a virtual absence of European Internet service providers and widening the structural deficit in***



*Europe between consumption levels and and the value of European output; urges the Committee on Industry, Research and Energy to consider the question of developing an 'Airbus-style' European telecommunications consortium;*

Or. fr

**Amendment 30**  
**Momchil Nekov**

**Draft opinion**  
**Paragraph 6**

*Draft opinion*

6. Highlights the considerable disparities across Member States as regards access to high-speed internet connections; stresses the importance of ensuring that the development of 5G significantly reduces the digital divide among citizens.

*Amendment*

6. Highlights the considerable disparities across Member States as regards access to high-speed internet connections *as well as the lack of access in rural communities and geographically remote regions*; stresses the importance of *providing digital enablement and* ensuring that the development of 5G significantly reduces the digital divide among citizens.

Or. en

**Amendment 31**  
**Emma McClarkin, Zdzisław Krasnodębski, Angel Dzhambazki**

**Draft opinion**  
**Paragraph 6**

*Draft opinion*

6. Highlights the considerable disparities across Member States as regards access to high-speed internet connections; stresses the importance of ensuring that the development of 5G significantly reduces the digital divide among citizens.

*Amendment*

6. Highlights the considerable disparities across Member States as regards access to high-speed internet connections; stresses the importance of ensuring that the development of 5G significantly reduces the digital divide among citizens, *especially that which exists between urban and rural areas;*

**Amendment 32**  
**Michel Reimon**

**Draft opinion**  
**Paragraph 6 a (new)**

*Draft opinion*

*Amendment*

**6 a. Welcomes the promotion of a consistent approach to better tailored coverage obligations in spectrum licences in order to stimulate rural connectivity; emphasises that private investment in internet connectivity should not only be incentivised for competitive high-capacity markets in urban areas but also for under-served and less profitable rural deployment areas;**

Or. en

**Amendment 33**  
**Silvia Costa**

**Draft opinion**  
**Paragraph 6 a (new)**

*Draft opinion*

*Amendment*

**6 a. Urges all Member States to quickly implement the provisions in Directive (EU) 2016/1148 of the European Parliament and of the Council of 6 July 2016 concerning measures for a high common level of network security and information systems across the Union, with the aim of ensuring an adequate level of security in making this plan efficient and sustainable;**

Or. en

**Amendment 34**

**Emma McClarkin, Zdzisław Krasnodębski, Angel Dzhambazki**

**Draft opinion**

**Paragraph 6 a (new)**

*Draft opinion*

*Amendment*

**6 a. Underlines that some rural areas across Europe still experience a lack of connectivity and do not currently receive access to 3G or 4G; encourages Member States to make the rollout of connectivity a priority;**

Or. en

**Amendment 35**

**Therese Comodini Cachia, Bogdan Brunon Wenta, Marc Joulaud**

**Draft opinion**

**Paragraph 6 a (new)**

*Draft opinion*

*Amendment*

**6 a. Recommends that the Commission establishes an annual progress review, including reporting on recommendations, on the 5G Action Plan and informs the European Parliament of the results;**

Or. en

**Amendment 36**

**Silvia Costa**

**Draft opinion**

**Paragraph 6 b (new)**

*Draft opinion*

*Amendment*

**6 b. Stresses the opportunities offered both by the European Fund for Strategic Investments and through its interaction with other funds for the development of public service infrastructures, including the digitalisation of schools.**

