Standards in the Digital Single Market: setting priorities and ensuring delivery

Fields marked with * are mandatory.

General information on respondents

*Do you wish your contribution to be published?

Please indicate clearly if you do not wish your contribution to be published.

- ● YES
- ○ NO

Submissions that are sent anonymously will neither be published nor taken into account.

The Commission may contact you in case a clarification regarding your submission is needed. If you do not wish to be contacted, please state this clearly in your reply.

I wish to be contacted:
- ● YES
- ○ NO

*I'm responding as:

- ○ An individual in my personal capacity
- ● The representative of an organisation/company/institution

*What is your name?

Moira

*What is your surname?

Patterson

* Please enter your email address:

m.patterson@ieee.org

Please enter your telephone number:

* Please enter the name of your institution/organisation/business:

IEEE Standards Association (IEEE-SA)

* Is your organisation registered in the Transparency Register of the European Commission and the European Parliament?

◉ Yes
○ No

* Please indicate your organisation's registration number in the Transparency Register.

79856747620-58

* Please enter the address of your organisation:

Rue du Luxembourg 22-24, 1000 Brussels

* My institution/organisation/business operates in:

Other ▾

* Please specify:

World-wide, including EU and EFTA countries

* What is the primary place of establishment of the entity you represent?

New York, USA

* Please indicate your main field of business activity and the field of activity related to the consultation's topic (if not identical to the overall business activity).

Standardisation

*Please select the description that applies to your organisation.

Other Standard Setting Organisation	⌄

Questions

II.1 Questions on general framework and problem statement

It is of particular interest to understand if the standards currently under development effectively match interoperability and successfully creating a Digital Single Market. In addition, it is especially interesting to identify those actions in standards development that could act as a solution for wider industry and public needs, not limited to the specific technologies that have been standardized.

Please indicate whether you agree to the following statements and explain your answer briefly.

Q1.1 - Do you share the Commission's analysis in Part 2 of this document?

- ○ YES
- ○ PARTLY
- ○ NO
- ◉ NO OPINION

Q1.2 - ICT is assuming a greater role in sectors of the economy which were not previously significant users of ICT. How do you see *the role of ICT standards* for the economy, in particular beyond the ICT sector?

- ◉ Very Important
- ○ Important
- ○ Modest importance
- ○ Not important
- ○ No opinion

*Your comment, indicating a specific sector:

```
ICT is crucial to society and industry worldwide, and specifically to
the digitisation of Europe's vertical industries to keep them globally
competitive.
```

Q1.3 - Do you agree that setting priorities for ICT standards at EU level, accompanied by clear time-tables, could help standard-setting organisations in better organising their work and support the Digital Single Market?

○ YES
● PARTLY
○ NO
○ NO OPINION

* Please explain why:

> It may be helpful to set priorities accompanied by time-tables. More
> imporant will be to define and publish the unmet needs of the Commission
> and European institutions. We refer to these unmet needs and other
> inputs as "European Requirements" throughout our responses to this
> consultation. Publication of such European Requirements will enable
> standard-setting organisations to understand and consider those European
> Requirements, and potentially help in addressing them to more
> efficiently achieve the Digital Single Market.

Q1.4. - What other steps should be considered to ensure that any such prioritisation would enjoy broad support of key stakeholders?

> Defining and publishing European Requirements will be very important to
> enable all relevant and interested standard-setting organisations to
> assist in more efficiently achieving the DSM. Such organisations are
> already doing standardisation work in many of the priority areas that
> the Commission is evaluating.

Q1.5 - What would be the most effective instrument at EU level to ensure that any such prioritisation is taken up by relevant standard-setting organisations? (please select and rank up to 3 instruments)

	1	2	3
A Commission Communication	○	○	○
A Commission Recommendation	○	○	○
Standardization requests issued to EU standard-setting organisations and included in the Annual Union Work Programme for European standardisation	○	○	○
Regulation	○	○	○
Priorities stated in the Rolling Plan for ICT Standardisation	○	○	○
No opinion	○	○	○
None of them	●	○	○

Your comment:

> An effective instrument would be to define and publish the European
> Requirements so that ICT standards setting organisations can determine
> if and how they may be able to contribute. Such organisations already
> have standardisation activities in many of the critical ICT technology
> areas ongoing, and European Requirements would assist in helping to
> address European Requirements.
>
> We also believe that organisations meeting the WTO principles for
> international standardisation should be recognised by the Commission.
> The Multi-Stakeholder Platform on ICT Standardisation is a step in the
> right direction.

Q1.6 - What would be the impact of a priority ICT standards plan defined at the level of the EU on Europe's effort *to pursue leadership in global standard-setting*?

- ◯ POSITIVE
- ◉ NEUTRAL
- ◯ NEGATIVE
- ◯ NO OPINION

* Please explain:

> It is our view that leadership will come through market acceptance, not
> through prioritisation.

Q1.7 - What would be the impact of a priority ICT standards plan defined at the level of the EU on the ability of European companies *to capture new global market opportunities*?

- ◯ POSITIVE
- ◉ NEUTRAL
- ◯ NEGATIVE
- ◯ NO OPINION

* Please explain:

> It is our view that fulfilling market opportunities will result from
> using market-mechanisms, not through prioritisation of standards.

Q1.8 - Besides establishing a priority ICT standards plan, what other measures could the Commission (or other EU institutions) take to ensure that standardisation plays its role in achieving a Digital Single Market?

```
As stated above, it would be helpful to define and publish the European
Requirements that the Commission and European institutions are looking
for. Publication of such European Requirements will enable
standard-setting organisations to understand and consider those European
Requirements, and potentially help in addressing them to more
efficiently achieve the Digital Single Market.
```

Q1.9 - How should standard-setting organisations best respond to the increasing speed of technological development and the integration of technologies in business processes across all industrial sectors?

A - Regarding the *adaptation of existing standards to new developments:*

```
Many standards already exist that are fundamental to the Digital Single
Market. Standard-setting organisations will be able to review European
Requirements and determine how to adapt them to the European
Requirements and new developments. IEEE would welcome the opportunity to
evaluate these European Requirements and contribute accordingly.
```

B - Regarding the *introduction of new standards for new technologies/products*:

```
There is a need for new standards for the Digital Single Market.
Standard-setting organisations will be able to review European
Requirements and determine how to contribute to establishing standards
to meet the needs identified in those European Requirements. IEEE would
welcome the opportunity to evaluate these European Requirements and
contribute accordingly.
```

Q1.10 - How do you see the involvement of European ICT Standardization experts in international standardisation organisations (ITU, ISO, IEC) and global standard setting organizations (i.e. IEEE, IETF, OASIS, W3C, ECMA international)?

A - The *SCOPE (or LEVEL?) of involvement*:
- 🔘 Is appropriate
- ⚪ Should be increased
- ⚪ Should be decreased
- ⚪ No opinion

Please explain:

> IEEE has very valuable participation from European experts. We always
> encourage interested stakeholders to participate in standardisation
> work, regardless of their geographic location.

B - The *QUALITY of involvement*:

- 🔘 Is appropriate
- ⚪ Should be improved
- ⚪ No opinion

Please explain:

> IEEE has very valuable participation from European experts.

II.2 Questions on priority domains for standardisation in the Digital Single Market

In this section, the Commission invites survey participants to express opinions and ideas on setting priorities for ICT standardisation.

The Commission has identified 10 domains set out below, as well as a set of sub-domains within each domain. Please note that domains and subdomains are interrelated and that overlaps are possible and desirable in particular with respect to synergies between different sectors. Some domains are horizontal and may benefit a large number of sectorial applications; some other domains are more sectorial and were identified as areas where ICT standardisation would bring important benefits.

First check whether the list of domains is complete and relevant. If the list is considered incomplete, please complement it with additional domains that you consider priority.

Q2.1 - Please identify and rank the domains (up to 5) and subsequently subdomains (up to 3 per domain) within each domain that you consider a priority. If specific domains or subdomains are missing please add them.

at most 5 answered row(s)

	1	2	3	4	5
Domain 1: 5G communications	◎	◎	◎	◎	◎
Domain 2: Cloud computing	◎	◎	◎	◎	◎
Domain 3: Cybersecurity	◎	◎	◎	◎	◎
Domain 4: Data driven services and applications	◎	◎	◎	◎	◎
Domain 5: Digitisation of European Industry	◎	◎	◎	◎	◎
Domain 6: eHealth and aging	◎	◎	◎	◎	◎
Domain 7: Intelligent Transport Systems (ITS)	◎	◎	◎	◎	◎
Domain 8: Internet of Things	◎	◎	◎	◎	◎
Domain 9: Smart Cities	◎	◎	◎	◎	◎
Domain 10: Smart and Efficient Energy Use	◎	◎	◎	◎	◎
Others	●	◎	◎	◎	◎

* Others Domain(s) and subdomain(s):

```
In our view, the need for prioritization of standards areas is based on
a false assumption. Important standards work is taking place in many ICT
standard-setting organisations, and much of that work fundamentally
supports the Digital Single Market. Publishing European Requirements
would be an invaluable tool to those organsations to review and assess
how they can incorporate such European Requirements into existing
standards or activities, and support standards European Requirements
that may not already be ongoing.
```

Please answer to Q2.2 to Q2.6 <u>for each of the domains selected</u>. In your answer please specify if applicable the subdomains that you have selected.

* Q2.2 - For the **Other(s) Domain(s)** and the subdomains which you have selected, please explain briefly how the criteria indicated in Box I apply to them.
We copy the criteria for your convenience:

- Link to DSM objectives and other EU policies

- Competitiveness of the European industry

- Clear and achievable targets

- Evidence of market relevance and stakeholders needs

- Domains where standard setting has direct benefits for consumers

```
All of the domains listed in Q2.1 are fundamental to achieving the
Digital Single Market. Standardisation work is already taking place in
many standard-setting organisations, and that work can contribute to the
realisation of the Digital Single Market if the EU is willing to use
standards from these organisations.
```

Q2.3 - The Priority ICT standards plan should lead to the production of technical specifications, standards or architectures where there is a need/gap, but could also propose any other type of standardisation action such as landscape analysis, gap finding, roadmaps or, ecosystem building that could contribute to ensure that standardisation plays its role in achieving a Digital Single Market. Please explain if a standardisation need/gap exists in the **Other(s) Domain(s)** and the subdomains which you have selected. Please also indicate within which time-frame such need could be addressed. Please limit to a maximum of five needs/gaps per domain or sub-domain:

Q2.4 - Among those below, which action could be a priority in the *Other(s) Domain(s)* and the subdomains which you have selected? Please rank the list below and explain your choice.

	1	2	3	4	5	6	7	8	9
• Mandating European Standardisation Organisations (ESOs) for fast delivery of standards/technical specifications.	○	○	○	○	○	○	○	○	○
• Foster cooperation among standards development organisations for ICT priorities	○	○	○	○	○	○	○	○	○
• Support Research & Innovation projects to contribute to standardisation	○	○	○	○	○	○	○	○	○
• Community Building	○	○	○	○	○	○	○	○	○
• Support creation of public-private partnerships - PPP	○	○	○	○	○	○	○	○	○
• Increase strategic coordination of ICT standardisation at EU level.	○	○	○	○	○	○	○	○	○
• Ensure consistent application of existing standards	○	○	○	○	○	○	○	○	○
• Accelerate the identification of ICT technical specifications most commonly used for their reference in public procurement	○	○	○	○	○	○	○	○	○
• Other	○	○	○	○	○	○	○	○	○
• No opinion	○	○	○	○	○	○	○	○	○

Q2.5 - Please indicate any other standardisation initiatives which would help achieving the Digital Single Market in the *Other(s) Domain(s)* and the subdomains which you have selected, and who in the standardisation landscape would be best placed to lead on these initiatives:

```
   Instead of attempting to determine who in the standardisation landscape
 is best placed to lead an initiative, European Requirements should be
 shared broadly with relevant standard-setting organisations worldwide.
```

Q2.6 - Would your organisation be prepared to invest resources in standard-setting to achieve the priority standards within the proposed time-frames?

Please answer this question only if you are responding as the representative of an organisation/company/institution.

- ● YES
- ○ YES, provided some conditions are met
- ○ NO
- ○ No opinion

* Please explain your choice and specify conditions:

```
IEEE has invested in ICT standardisation for many years and has a large
portfolio of standards and new projects under development. If European
Requirements are published, IEEE would be prepared to review them and
share information and contribute in line with those European
Requirements where possible.

IEEE also would welcome the opportunity to contribute to any specific
projects where relevant.
```

II.3 Other Comments

Other comments:

Background Documents

analysis.pdf (/eusurvey/files/f2d6718c-7e07-4955-9505-c94113bbbe0f)

Contact

✉ ec-ict-std-platform@ec.europa.eu