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?

Rodríguez Cocina

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Please enter your telephone number:

+3222309555

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

Telefonica S.A.

* 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.

52431421-12

* Please enter the address of your organisation:

Gran Via, 28 - 28013 Madrid

* My institution/organisation/business operates in:

EU ▾

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

Spain

* 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).

Telecommunications

* Please select the description that applies to your organisation.

Enterprise (not SME) ▾

Is your organisation active in ICT standardisation?

◉ Yes
◯ No

* Please indicate the Standard Setting Organisations in which you are active:

> ETSI, ITU, IETF, 3GPP, ONF, W3C, BBF, GCF, TMForum

And if possible:

- The approximate number of person-months devoted to standardisation related activities.

[   ] P/M

- The percentage this means to the total of your resources.

[   ] %

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

* Please explain:

```
We agree in that it is important to launch an integrated standardization
plan to identify and define key priorities for standardisation with a
focus on the technologies and domains that are deemed to be critical to
the Digital Single Market.  However, it must be beared in mind that
relevant standards are global, not just European. To make the
difference, the most important factor is to be the first to make them
available to the global market. As important as setting the right
priorities is making the changes for the European Standardization
processes (in ETSI, CEN, CENELEC) to be truly agile and quick. In the
case of standards for software platforms, it is important to promote
involvement or creation of global open source initiatives that produce
open source reference implementations of API specifications which can be
later adopted using fast-tracking adoption mechanisms in the referred
European Standardization bodies (ETSI, CEN, CELENEC) as well as global
Standard bodies (ITU, ISO, …) and consortia (W3C, TMForum, …).
```

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:

```
As an example, open (i.e., public and royalty-free) standard platform
specifications in the domain of Smart Cities could foster portability
and interoperability of applications/solutions, enabling synergies
between different services (transportation, energy, health systems…),
driving innovation based on real-time open data and transforming the
cities into platforms for the development of Smart Applications.
Developing a single digital market of applications and services for
cities through an open standard platform facilitates the necessary scale
and the birth of ecosystems, where applications/solutions developed by
large companies as well as SMEs and startups arise not only for the more
efficient management of municipal services in the city, but for the
support of the daily life of citizens and businesses in multiple
sectors. By promoting an open platform and the economy of open data, the
city becomes a platform for digital transformation of the economy and
the society.
```

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:

```
Yes. However there is a need to make European Standard Development
faster, to make it really influential. Changing the processes and
fostering integration of Public-Private Partnerships (PPP) with European
standard setting organizations can help achieve the objective. In the
case of software platforms, the creation of open source initiatives with
a global ambition, supported under Public-Private Partnership schemas,
is key (e.g., FIWARE).
```

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

```
Support of Public-Private Partnerships driven by the industry would play
an instrumental role.  They should have a long-term funding secured to
better sustain a continuous dissemination of results, technical support
to the adoption of results and technical evolution.  Of course, periodic
assessment of the impact of results is required to determine the level
of funding needed.  In the case of software platforms, the creation of
open source initiatives with a global ambition, supported under
Public-Private Partnership schemas, is key (e.g., FIWARE).
```

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:

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 positive to focus the efforts and limited resources on key
priorioties and for Europe to be the first developing Standards for
those priorities.
```

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:

```
If the Standards developed remain just within the level of the EU, there
is no way to capture new global opportunities. The challenge is to be
able to influence the market globally starting with the European ICT
standards plan. The liaison between Public-Private Partnerships (PPP)
and relevant European standard bodies and, in the case of software
platforms, the support of global open source initiatives (e.g., FIWARE)
where reference implementation of standards would be developed have to
be integral elements of an European ICT standard plan.
```

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?

```
Pre-commercial procurement mechanisms and shared rules in the public
sector may foster take up actions of standards and increase the
possibility of achieving shared goals. No standards or too many
standards may hinder markets. There are possible roles such as setting
goals, objectives and rules in particular for concepts such as smart
cities that are heavily linked to public funding and where consistency
at a European level make them work. Joining up users can help in
promoting standards and the technology take up. Another example could be
common certification schemes for public sector Cloud services.
```

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:*

```
Fast-track adoption mechanisms could be put in place.
```

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

```
Fast-track adoption mechanisms could be put in place.
```

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:

B - The *QUALITY of involvement*:

- ○ Is appropriate
- ● Should be improved
- ○ No opinion

Please explain:

```
From a practical view, businesses may more easily be involved in working
group meetings where its headquarters or experts are located. Funding
from Europe and promoting European leading working groups in the top
priority areas may help global standards aligned with European interests
(as is the case of IETF for USA)
```

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	○	○	○	○	○

Subdomains of Domain 1: 5G communications

at most 3 answered row(s)

	1	2	3
Architecture definition	●	○	○
Channel model characterisation for innovative usages (e.g. V2V)	○	○	○
Converged control plane (fixed mobile)	○	○	○
Evolved Packet Core (EPC)	○	○	○
Multi domain SDN interoperability	○	○	○
Multi tenancy and multi technology C-RAN	○	○	○
Network slicing	○	○	○
New radio access technologies and waveforms, including backhaul/front haul integration	○	●	○
Resource identification	○	○	●
SDN Northbound interface	○	○	○
Others	○	○	○

Domain 3: Cybersecurity

at most 3 answered row(s)

	1	2	3
Cyber security design requirements	○	○	○
Process standard for incident reporting	●	○	○
Process standard for cyber risk management	○	●	○
Process standard for vulnerability disclosure	○	○	●
Technical standards for encryption	○	○	○
Technical standards for public key infrastructure	○	○	○
Technical standard for security and privacy by design	○	○	○
Others	○	○	○

Domain 4: Data driven services and applications

at most 3 answered row(s)

	1	2	3
APIs for simplified data sharing and reuse between data-driven services and applications	◉	○	○
Big Data technologies (such as interoperability of Big Data technologies in software stacks)	○	○	○
Data licensing conditions	○	○	○
Data related processes (such as data collection, data curation, data management)	○	◉	○
Data representation formats (such as XML)	○	○	○
Data service protocols	○	○	○
Entity identifiers for the sector	○	○	○
Metadata schemata	○	○	◉
Others	○	○	○

Domain 8: Internet of Things

at most 3 answered row(s)

	1	2	3
Advanced Manufacturing / M2M	○	○	○
Building and Home automation	○	○	○
Energy / Environment monitoring	○	○	○
Medical and health care systems	○	○	◉
Reference architectures and related standardised interfaces	◉	○	○
Smart cities and communities	○	◉	○
Smart living environment for ageing well	○	○	○
Smart farming and food security	○	○	○
Transportation (including ITS, C2C, C2I, automated driving)	○	○	○
Wearables	○	○	○
Others	○	○	○

Domain 9: Smart Cities

at most 3 answered row(s)

	1	2	3
Application Programming Interfaces for urban platforms	●	○	○
Urban Indicators	○	○	○
Urban Management System (city planning)	○	○	○
Urban Ontologies (for specific domains (including city objects, geometric elements and themes) or cross-domain)	○	●	○
Urban Platforms	○	○	○
Urban transactions (payments, identification, etc.)	○	○	○
Others	○	○	●

* Other(s) subdomain(s):

```
Economy of data
```

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 ***Domain 1: 5G communications*** 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

```
Evidence of market relevance and stakeholders needs
```

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 *Domain 1: 5G communications* and sub-domains 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 *Domain 1: 5G communications* and sub-domains 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	○	○	○	○	○	○	○	○	○

* Please explain:

> In our opinion, public-private partnerships and Research&innovation
> projects contributing to standardization are the two most important
> factors for Standards adoption in the Digital Single Market

Q2.5 - Please indicate any other standardisation initiatives which would help achieving the Digital Single Market in the **Domain 1: 5G communications** and sub-domains which you have selected., and who in the standardisation landscape would be best placed to lead on these initiatives:

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

* Q2.2 - For the *Domain 3: Cybersecurity* 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

> Evidence of market relevance and stakeholders needs

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 *Domain 3: Cybersecurity* 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 *Domain 3: Cybersecurity* 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	○	○	○	○	○	○	○	○	○

* Please explain:

> In our opinion, public-private partnerships and Research&innovation
> projects contributing to standardization are the two most important
> factors for Standards adoption in the Digital Single Market

Q2.5 - Please indicate any other standardisation initiatives which would help achieving the Digital Single Market in the **Domain 3: Cybersecurity** and the subdomains which you have selected, and who in the standardisation landscape would be best placed to lead on these initiatives:

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

* Q2.2 - For the **Domain 4: Data driven services and applications** 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

> Evidence of market relevance and stakeholders needs

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 **Domain 4: Data driven services and applications** 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:

```
APIs for simplified data sharing and reuse between data-driven services
and applications: Definition of API for real-time access to context
information enabling the development of context-aware applications.
Data related processes: Existence of global tool for collaborative
standard data model creation and curation (e.g., similar to wikipedia,
including moderation of open contribution and adoption driven by
implementation, applicable to standard data models)
Metadata schemata: Standardization of data models including metadata
describing ingredients of those data models.
```

Q2.4 - Among those below, which action could be a priority in the **Domain 4: Data driven services and applications** 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	○	○	○	○	○	○	○	○	○

* Please explain:

In our opinion, Public-Private Partnerships (PPPs) and Research&innovation projects contributing to standardization are the two most important factors for the development of the required standards within a Digital Single Market strategy. In the case of "Data driven services and applications", we support prioritization of "Other" actions because, rather than creating new Public-Private Partnerships, it is highly relevant to leverage on the results and continuity of the Future Internet (FIWARE) PPP.

Q2.5 - Please indicate any other standardisation initiatives which would help achieving the Digital Single Market in the **Domain 4: Data driven services and applications** and the subdomains which you have selected, and who in the standardisation landscape would be best placed to lead on these initiatives:

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

* Q2.2 - For the **Domain 8: Internet of Things** 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

```
Evidence of market relevance and stakeholders needs
```

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 *Domain 8: Internet of Things* 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:

```
Reference architectures and related standardised interfaces: definition
of reference architecture components for context information access,
management and processing and their connection to IoT components.
Smart cities and communities: standard open API for context information
access and management, standard context information models (context
information = information describing what is going on in the city at any
time beyond IoT data)
Medical and health care systems: standard data models for health-care
measures provided by sensors, including metadata describing elements of
those data models
```

Q2.4 - Among those below, which action could be a priority in the *Domain 8: Internet of Things* 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	○	○	○	○	○	○	○	○	○

* Please explain:

```
In our opinion, Public-Private Partnerships (PPPs) and
Research&innovation projects contributing to standardization are the two
most important factors for the development of the required standards
within a Digital Single Market strategy. In the case of "Internet of
Things", we support prioritization of "Other" actions because, rather
than creating new Public-Private Partnerships it is highly relevant to
leverage on the results and continuity of the Future Internet (FIWARE)
PPP.
```

Q2.5 - Please indicate any other standardisation initiatives which would help achieving the Digital Single Market in the **Domain 8: Internet of Things** and the subdomains which you have selected, and who in the standardisation landscape would be best placed to lead on these initiatives:

```
Promote a City open platform as the way to foster the adoption of a de
facto standard. (FIWARE standard, as part of FI-PPP)
```

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

* Q2.2 - For the **Domain 9: Smart Cities** 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

```
Evidence of market relevance and stakeholders needs
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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 **Domain 9: Smart Cities** 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 **Domain 9: Smart Cities** 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	○	○	○	○	○	○	○	○	○

* Please explain:

In our opinion, Public-Private Partnerships (PPPs) and Research&innovation projects contributing to standardization are the two most important factors for the development of the required standards within a Digital Single Market strategy. In the case of "Smart Cities", we support prioritization of "Other" actions because, rather than creating new Public-Private Partnerships it is highly relevant to leverage on the results and continuity of the Future Internet (FIWARE) PPP.

Q2.5 - Please indicate any other standardisation initiatives which would help achieving the Digital Single Market in the *Domain 9: Smart Cities* and the subdomains which you have selected, and who in the standardisation landscape would be best placed to lead on these initiatives:

```
The Open and Agile Smart Cities (OASC) initiative, leveraging on results
of the Future Internet (FIWARE) PPP is a city-driven initiative aiming
at fostering the adoption of a common set of de-facto standards which
could play a relevant role.  More info at http://oascities.org and
http://fiware.org
```

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

II.3 Other Comments

Other comments:

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There is an important domain that is not listed: Making the Internet
truly open. It this sense there is a strong need to work on true open
operating systems for all devices and interoperability of applications
and data.
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Background Documents

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

Contact

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