

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

Fields marked with \* are mandatory.

## General information on respondents

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\* 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 nationality?

- Austria
- Belgium
- Bulgaria
- Croatia
- Cyprus
- Czech Republic
- Denmark
- Estonia
- Finland
- France
- Germany
- Greece
- Hungary
- Italy**
- Ireland
- Latvia
- Lithuania
- Luxembourg
- Malta
- Netherlands
- Poland
- Portugal
- Romania
- Slovakia
- Slovenia
- Spain
- Sweden
- United Kingdom
- Other

\* Please specify:

\* What is your place of residence?

- Austria
- Belgium
- Bulgaria
- Croatia
- Cyprus
- Czech Republic
- Denmark
- Estonia
- Finland
- France
- Germany
- Greece
- Hungary
- Italy
- Ireland
- Latvia
- Lithuania
- Luxembourg
- Malta
- Netherlands
- Poland
- Portugal
- Romania
- Slovakia
- Slovenia
- Spain
- Sweden
- United Kingdom
- Other

\* Please specify:

\* What is your name?

\* What is your surname?

\* Please enter your email address:

Please enter your telephone number:

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

\* 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.

Please register in the [Transparency Register](#) before answering this questionnaire. If your organisation/institution responds without being registered, the Commission will consider its input as that of an individual and as such, will publish it separately.

\* Please enter the address of your organisation:

\* My institution/organisation/business operates in:

- EU
- Austria
- Belgium
- Bulgaria
- Czech Republic
- Croatia
- Cyprus
- Denmark
- Estonia
- France
- Finland
- Germany
- Greece
- Hungary
- Italy**
- Ireland
- Latvia
- Lithuania
- Luxembourg
- Malta
- Netherlands
- Poland
- Portugal
- Romania
- Spain
- Slovenia
- Slovakia
- Sweden
- United Kingdom
- Other

\* Please specify:

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

\* 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).

\* Please select the description that applies to your organisation.

- Public authority**
- European Standardisation Organisation (CEN, CENELEC, ETSI)
- International Standardisation Organisation (ISO, IEC, ITU)
- Other Standard Setting Organisation
- Research Center
- Industrial Association, Forum & Consortium
- Other Stakeholders Association (e.g. Users, Consumers...)
- Enterprise (not SME)
- SME
- Other

\* Please specify:

\* Indicate the size of your company.

In accordance with the European Commission Recommendation 2003/361.

See also [Online help](#)

- Medium sized enterprise (independent companies that have less than 250 employees, and either whose turnover is  $\leq 50\text{M€}$ , or balance sheet  $\leq 43\text{M€}$ )
- Small enterprise (independent companies with less than 50 employees, and either turnover or balance sheet  $\leq 10\text{M€}$ )
- Micro enterprise (independent companies with less than 10 employees, and either turnover or balance sheet  $\leq 2\text{M€}$ )

Is your organisation active in ICT standardisation?

- Yes
- No

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

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

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### 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 on the necessity to identify standardization priorities within the DSM to foster the European industry supporting global standards avoiding duplication of studies

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:

Impacting all the sectors of 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:

Highlighting EU needs on ICT issues can facilitate the work of standard organizations.

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

Harmonize different requirements from various stakeholders

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	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
A Commission Recommendation	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Standardization requests issued to EU standard-setting organisations and included in the Annual Union Work Programme for European standardisation	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Regulation	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Priorities stated in the Rolling Plan for ICT Standardisation	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
No opinion	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
None of them	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

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:

EU must continue to feed its effort on developing/updating standards taking into account the need to avoid duplication of studies thus promoting global standards.

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 would be fundamental

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?

Avoid duplication of efforts and ensuring global standards

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:

Depends on the subject

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

Depends on the subject

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:

## 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	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
Domain 2: Cloud computing	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
Domain 3: Cybersecurity	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Domain 4: Data driven services and applications	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Domain 5: Digitisation of European Industry	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Domain 6: eHealth and aging	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
Domain 7: Intelligent Transport Systems (ITS)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Domain 8: Internet of Things	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Domain 9: Smart Cities	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Domain 10: Smart and Efficient Energy Use	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Others	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

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

Subdomains of Domain 1: 5G communications

at most 3 answered row(s)

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

\* Other(s) subdomain(s):

Domain 2: Cloud computing

at most 3 answered row(s)

	1	2	3
Application portability	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
As a service solutions (IaaS, PaaS, SaaS)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Cloud networking infrastructures	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Cloud platforms	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Moving non-personal data between service providers	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Service Level Agreements (SLAs)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Process Computation Integrity	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Others	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

\* Other(s) subdomain(s):

Domain 3: Cybersecurity

at most 3 answered row(s)

	1	2	3
Cyber security design requirements	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Process standard for incident reporting	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Process standard for cyber risk management	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Process standard for vulnerability disclosure	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Technical standards for encryption	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Technical standards for public key infrastructure	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Technical standard for security and privacy by design	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Others	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

\* Other(s) subdomain(s):

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	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Big Data technologies (such as interoperability of Big Data technologies in software stacks)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Data licensing conditions	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Data related processes (such as data collection, data curation, data management)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Data representation formats (such as XML)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Data service protocols	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Entity identifiers for the sector	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Metadata schemata	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Others	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

\* Other(s) subdomain(s):

Domain 5: Digitisation of European Industry

at most 3 answered row(s)

	1	2	3
Product Planning, Product design, Product identification, Product tracing and Product life cycle management	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Manufacturing equipment, Production process (including maintenance and supervision)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Human Machine Interfaces and Human Machine Interaction	<input type="radio"/>	<input type="radio"/>	
Modelling, Simulation, Testing and Verification of products and processes	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Integration of the value chain (including supply chain, marketing, distribution, sales and support, ERP (Enterprise Resource Planning))	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Models for different areas of digitisation of industry, terminology, reference architectures, use cases and interoperability profiles	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Security, IT Security, Information security	<input type="radio"/>	<input type="radio"/>	
Safety of persons and environment	<input type="radio"/>	<input type="radio"/>	
Reliability and robustness of systems including real time considerations	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Communication platforms, Coexistence of wireless applications in a factory	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Others	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

\* Other(s) subdomain(s):

Domain 6: eHealth and aging

at most 3 answered row(s)

	1	2	3
Drug identifiers for medical prescriptions	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
ICT infrastructure for the implementation and delivery of services for independent living in age-friendly buildings	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Interoperability profiles for independent living (Interoperability profiles describe specific solutions to interoperability in a specific use case scenario. A profile documents how standards will be used in order to achieve interoperability. Profiles ensure implementers and users that they are talking about the same solution without having to restate all the technical details that establish actual interoperability.)	<input type="radio"/>	<input type="radio"/>	
Interoperability profiles for mHealth apps	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Quality criteria for health and wellness apps	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Security and Safety of mHealth apps	<input type="radio"/>	<input type="radio"/>	
Semantic interoperability of Electronic Health Records	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Telemedicine	<input type="radio"/>	<input type="radio"/>	
Others	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

\* Other(s) subdomain(s):

Domain 7: Intelligent Transport Systems (ITS)

at most 3 answered row(s)

	1	2	3
Access to in-vehicle resources and data	<input type="radio"/>	<input type="radio"/>	
Connected and/or automated driving (Connectivity, Data-Handling, Cybersecurity)	<input type="radio"/>	<input type="radio"/>	
Connected vehicles applications (e.g. Emergency vehicle notification)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
eFreight	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Service Platforms (for mobility and in-vehicle services) Smart charging solutions for electric vehicles	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Multimodal passenger transport systems	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
European Electronic Toll Service	<input type="radio"/>	<input type="radio"/>	
Others	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

\* Other(s) subdomain(s):

### Domain 8: Internet of Things

at most 3 answered row(s)

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

\* Other(s) subdomain(s):

### Domain 9: Smart Cities

at most 3 answered row(s)

	1	2	3
Application Programming Interfaces for urban platforms	<input type="radio"/>	<input type="radio"/>	
Urban Indicators	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Urban Management System (city planning)	<input type="radio"/>	<input type="radio"/>	
Urban Ontologies (for specific domains (including city objects, geometric elements and themes) or cross-domain)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Urban Platforms	<input type="radio"/>	<input type="radio"/>	
Urban transactions (payments, identification, etc.)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Others	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>



\* Other(s) subdomain(s):

Domain 10: Smart and Efficient Energy Use

at most 3 answered row(s)

	1	2	3
BIM – Building Information Modelling	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Building automation and smart appliances	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Electrical vehicles integration with smart grid and home management systems	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Energy efficiency indicators	<input type="radio"/>	<input type="radio"/>	
Heating/Cooling networks including heat supply from waste	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Interconnection of electricity, gas and heating networks	<input type="radio"/>	<input type="radio"/>	
Interfaces to Storage systems	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Lighting	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Power electronics	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Smart grids, smart metering	<input type="radio"/>	<input type="radio"/>	
Others	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

\* Other(s) subdomain(s):

**Please answer to Q2.2 to Q2.6 for each of the domains selected. 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

To increase interoperability and at the same time creating a real DSM always taking into account the need to avoid duplication of studies thus promoting global standards

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:

There is a need to increase the quality of mobile networks enforcing the ubiquitous aspects of the digital society. Thus more effort is needed in developing global standards on 5G technologies. Time frame 1-2v

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.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
• Foster cooperation among standards development organisations for ICT priorities	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
• Support Research & Innovation projects to contribute to standardisation	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
• Community Building	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
• Support creation of public-private partnerships - PPP	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
• Increase strategic coordination of ICT standardisation at EU level.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
• Ensure consistent application of existing standards	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
• Accelerate the identification of ICT technical specifications most commonly used for their reference in public procurement	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
• Other	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
• No opinion	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

\* Please explain:

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

\* Please explain your choice and specify conditions:

\* Q2.2 - For the **Domain 2: Cloud computing** 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

To increase interoperability and at the same time creating a real DSM always taking into account the need to avoid duplication of studies thus promoting global standards

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 2: Cloud computing** 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:

Cloud computing has been, and is, investigated by ITU and ETSI but more is needed to increase interoperability of platforms and services and also on security issues. Time frame 1-2y

Q2.4 - Among those below, which action could be a priority in the **Domain 2: Cloud computing** 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.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
• Foster cooperation among standards development organisations for ICT priorities	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
• Support Research & Innovation projects to contribute to standardisation	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
• Community Building	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
• Support creation of public-private partnerships - PPP	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
• Increase strategic coordination of ICT standardisation at EU level.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
• Ensure consistent application of existing standards	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
• Accelerate the identification of ICT technical specifications most commonly used for their reference in public procurement	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
• Other	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
• No opinion	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

\* Please explain:

Q2.5 - Please indicate any other standardisation initiatives which would help achieving the Digital Single Market in the **Domain 2: Cloud computing** 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

\* Please explain your choice and specify conditions:

\* 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

To increase interoperability and at the same time creating a real DSM always taking into account the need to avoid duplication of studies thus promoting global standards

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:

Cyber security is fundamental non only to secure the networks but also to increase the use of e-services by citizens. A lot of effort has been done by ETSI and ITU but more has to be done to continuously update global standards related to cybersecurity.

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.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
• Foster cooperation among standards development organisations for ICT priorities	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
• Support Research & Innovation projects to contribute to standardisation	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
• Community Building	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
• Support creation of public-private partnerships - PPP	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
• Increase strategic coordination of ICT standardisation at EU level.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
• Ensure consistent application of existing standards	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
• Accelerate the identification of ICT technical specifications most commonly used for their reference in public procurement	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
• Other	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
• No opinion	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

\* Please explain:

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

\* Please explain your choice and specify conditions:

\* 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

To increase interoperability and at the same time creating a real DSM always taking into account the need to avoid duplication of studies thus promoting global standards

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:

SND and NFV are revolutionizing the landscape in smartcities opening the use of high granular services based on big data. There is a continuous need in developing/updating standards related to this domain to always take the maximum advantage from new services and applications.



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.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
• Foster cooperation among standards development organisations for ICT priorities	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
• Support Research & Innovation projects to contribute to standardisation	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
• Community Building	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
• Support creation of public-private partnerships - PPP	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
• Increase strategic coordination of ICT standardisation at EU level.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
• Ensure consistent application of existing standards	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
• Accelerate the identification of ICT technical specifications most commonly used for their reference in public procurement	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
• Other	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
• No opinion	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

\* Please explain:

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

\* Please explain your choice and specify conditions:

\* Q2.2 - For the **Domain 5: Digitisation of European Industry** 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

To increase interoperability and at the same time creating a real DSM always taking into account the need to avoid duplication of studies thus promoting global standards

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 5: Digitisation of European Industry** 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:

European industry must migrate to the so called 4.0 status, and above, that means full digitalisation by means of new internal processes, continuous workforce training and deep interaction with research world. Standard activity on this issue must be increased. Time frame 1-2y.

Q2.4 - Among those below, which action could be a priority in the **Domain 5: Digitisation of European Industry** 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.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
• Foster cooperation among standards development organisations for ICT priorities	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
• Support Research & Innovation projects to contribute to standardisation	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
• Community Building	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
• Support creation of public-private partnerships - PPP	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
• Increase strategic coordination of ICT standardisation at EU level.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
• Ensure consistent application of existing standards	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
• Accelerate the identification of ICT technical specifications most commonly used for their reference in public procurement	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
• Other	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
• No opinion	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

\* Please explain:

Q2.5 - Please indicate any other standardisation initiatives which would help achieving the Digital Single Market in the **Domain 5: Digitisation of European Industry** 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

\* Please explain your choice and specify conditions:

\* Q2.2 - For the **Domain 6: eHealth and aging** 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

To increase interoperability and at the same time creating a real DSM always taking into account the need to avoid duplication of studies thus promoting global standards

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 6: eHealth and aging** 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:

Aging is an important issue especially in Europe where the natality rate is low and people is getting holder. Services related to aging are important not only to save lifes but also to keep people still active in the society. More effort has to be done in this domain. Time frame 1-3y.

Q2.4 - Among those below, which action could be a priority in the **Domain 6: eHealth and aging** 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.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
• Foster cooperation among standards development organisations for ICT priorities	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
• Support Research & Innovation projects to contribute to standardisation	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
• Community Building	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
• Support creation of public-private partnerships - PPP	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
• Increase strategic coordination of ICT standardisation at EU level.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
• Ensure consistent application of existing standards	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
• Accelerate the identification of ICT technical specifications most commonly used for their reference in public procurement	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
• Other	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
• No opinion	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

\* Please explain:

Q2.5 - Please indicate any other standardisation initiatives which would help achieving the Digital Single Market in the **Domain 6: eHealth and aging** 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

\* Please explain your choice and specify conditions:

\* Q2.2 - For the **Domain 7: Intelligent Transport Systems (ITS)** 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

To increase interoperability and at the same time creating a real DSM always taking into account the need to avoid duplication of studies thus promoting global standards

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 7: Intelligent Transport Systems (ITS)** 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:

ITS such as for example driverless electric smart cars will revolutionize the society and the life style. ETSI and ITU spent a great effort on this topic but a continuous development is needed to always take the maximum advantage from new services and applications.

Q2.4 - Among those below, which action could be a priority in the **Domain 7: Intelligent Transport Systems (ITS)** 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.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
• Foster cooperation among standards development organisations for ICT priorities	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
• Support Research & Innovation projects to contribute to standardisation	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
• Community Building	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
• Support creation of public-private partnerships - PPP	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
• Increase strategic coordination of ICT standardisation at EU level.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
• Ensure consistent application of existing standards	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
• Accelerate the identification of ICT technical specifications most commonly used for their reference in public procurement	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
• Other	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
• No opinion	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

\* Please explain:

Q2.5 - Please indicate any other standardisation initiatives which would help achieving the Digital Single Market in the **Domain 7: Intelligent Transport Systems (ITS)** 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

\* Please explain your choice and specify conditions:

\* 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

To increase interoperability and at the same time creating a real DSM always taking into account the need to avoid duplication of studies thus promoting global standards

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:

IoT devices as well as M2M communication play a crucial role in smart cities. More effort is needed in this domain to always take the maximum advantage from new services and applications. Time frame 1-2y.



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.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
• Foster cooperation among standards development organisations for ICT priorities	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
• Support Research & Innovation projects to contribute to standardisation	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
• Community Building	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
• Support creation of public-private partnerships - PPP	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
• Increase strategic coordination of ICT standardisation at EU level.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
• Ensure consistent application of existing standards	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
• Accelerate the identification of ICT technical specifications most commonly used for their reference in public procurement	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
• Other	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
• No opinion	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

\* Please explain:

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:

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:

\* 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

To increase interoperability and at the same time creating a real DSM always taking into account the need to avoid duplication of studies thus promoting global standards

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:

Smart cities domain is an extremely critical issue today where the digitalisation revolution is modifying the entire social and industrial value chain. ITU, ETSI and ISO spent a lot of effort nevertheless a continuous developing/updating on standards is needed.

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.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
• Foster cooperation among standards development organisations for ICT priorities	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
• Support Research & Innovation projects to contribute to standardisation	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
• Community Building	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
• Support creation of public-private partnerships - PPP	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
• Increase strategic coordination of ICT standardisation at EU level.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
• Ensure consistent application of existing standards	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
• Accelerate the identification of ICT technical specifications most commonly used for their reference in public procurement	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
• Other	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
• No opinion	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

\* Please explain:

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:

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:

\* Q2.2 - For the **Domain 10: Smart and Efficient Energy Use** 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

To increase interoperability and at the same time creating a real DSM always taking into account the need to avoid duplication of studies thus promoting global standards

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 10: Smart and Efficient Energy Use** 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:

Smart and efficient energy use is an important issue in the today economic scenario. ITU, ETSI and ISO spent a lot of effort nevertheless a continuous developing/updating on standards is needed.

Q2.4 - Among those below, which action could be a priority in the **Domain 10: Smart and Efficient Energy Use** 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.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
• Foster cooperation among standards development organisations for ICT priorities	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
• Support Research & Innovation projects to contribute to standardisation	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
• Community Building	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
• Support creation of public-private partnerships - PPP	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
• Increase strategic coordination of ICT standardisation at EU level.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
• Ensure consistent application of existing standards	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
• Accelerate the identification of ICT technical specifications most commonly used for their reference in public procurement	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
• Other	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
• No opinion	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

\* Please explain:

Q2.5 - Please indicate any other standardisation initiatives which would help achieving the Digital Single Market in the **Domain 10: Smart and Efficient Energy Use** 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

\* Please explain your choice and specify conditions:

\* 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

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.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
• Foster cooperation among standards development organisations for ICT priorities	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
• Support Research & Innovation projects to contribute to standardisation	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
• Community Building	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
• Support creation of public-private partnerships - PPP	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
• Increase strategic coordination of ICT standardisation at EU level.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
• Ensure consistent application of existing standards	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
• Accelerate the identification of ICT technical specifications most commonly used for their reference in public procurement	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
• Other	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
• No opinion	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

\* Please explain:

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:

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:

### II.3 Other Comments

**Other comments:**