

## Welcome to the green ICT standards landscape questionnaire

*The main objective of this project is to provide a comprehensive and up-to-date picture of all the ongoing standardization activities with reference to energy efficiency and environmental sustainability of ICT devices and infrastructure. The final outcome of this survey will provide a consolidated view of the specific areas, which the standardization activities are focused on as well as the possible gaps, overlaps and conflicts among them.*

*The report is divided into three sections:*

- 1. General information about the respondent organization*
- 2. General description of ongoing Standardization Actions*
- 3. Detailed description of each ongoing Standardization Action*

*The first section collects general information about the organization involved in one or more standardization activities (name, type, scope, reference URL and reference person of the SDO are required). This questionnaire accepts research projects that deal with energy efficiency and environmental sustainability in the ICT sector. Only research projects involved in one or more standard activities will be considered. The information required in this section may be inserted by the organization reference person.*

*The second section collects general information about ongoing standardization activities and a list of each specific standard proposed/realized by the respondent organization. Each specific standard proposed/realized by the respondent organization is referred to as "Standardization Action". The information required in this section may be inserted by the reference person for standardization actions.*

*The last section collects detailed information about each standardization action listed in the second section. The information required in this section may be inserted by the reference person for a specific standardization action.*

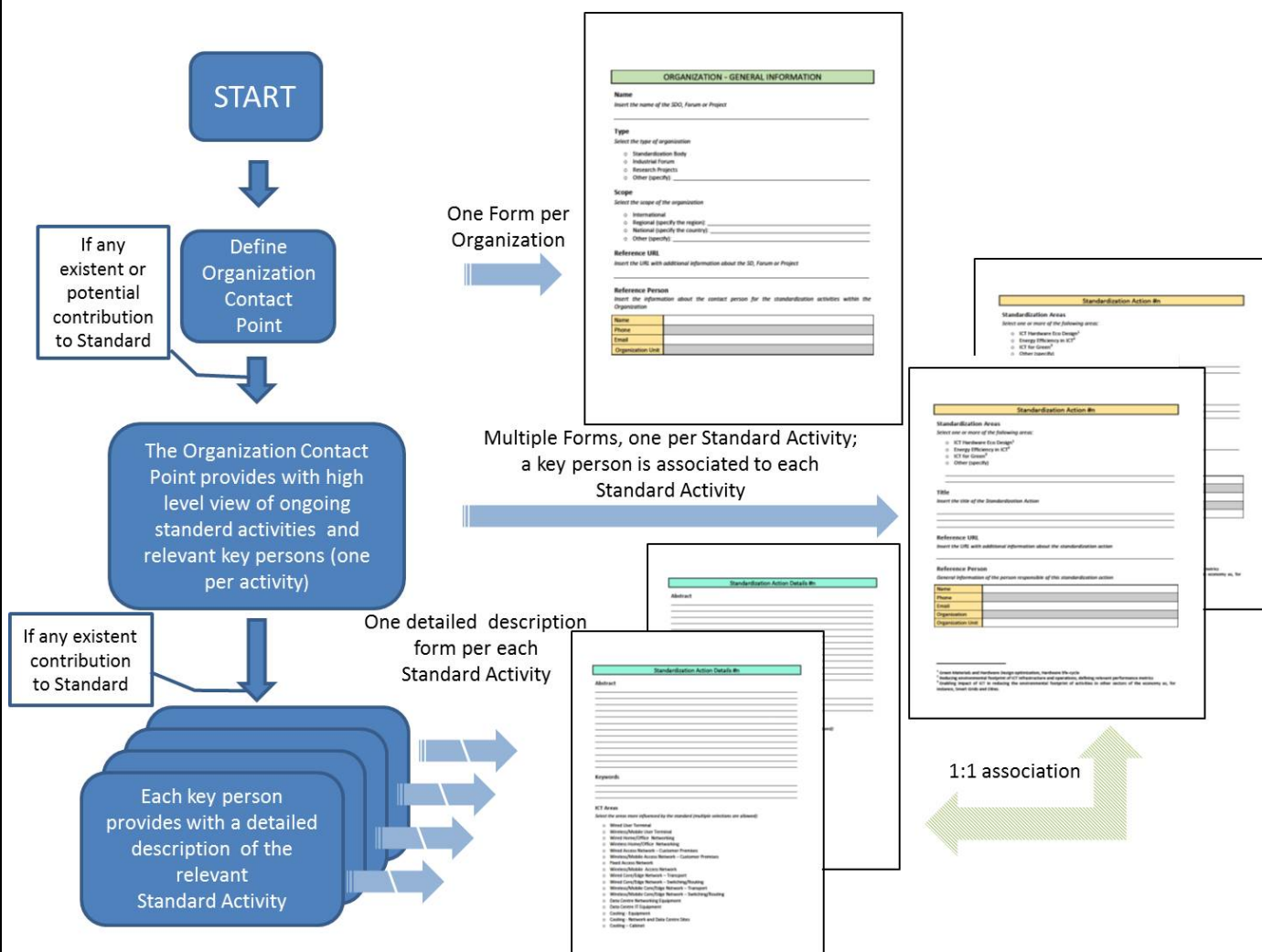
### *Glossary*

*Respondent Organization: any Standards Developing Organizations (SDOs), Industrial Forum and Research Projects.*

*Standardization Action: each specific recommendation, standard or report proposed/realized by the respondent organization.*

# Welcome to the green ICT standards landscape questionnaire

The basic elements of the data collection process are depicted in the figure below.



**First section: organization general information**

**\*Insert the name of the organization**

**\*You are replying to the survey as:**

- ☐ Organization reference person
- ☐ Reference person for Standardization Actions
- ☐ Reference person for a specific Standardization Action

**\*Fill in your contact information:**

Name	<div></div>
Organization Unit	<div></div>
E-mail	<div></div>
Phone	<div></div>

## First section: organization general information

### \*Select the type of organization (select only one item)

- ☐ Standardization body
- ☐ Industrial forum
- ☐ Research project
- ☐ Other (specify):

### \*Select the scope of the organization (select only one item):

- ☐ International
- ☐ Regional
- ☐ National
- ☐ Other (specify):

## First section: organization general information

**Summarize the organization's activity areas and objectives (500 characters max)**

**\*Insert the URL with additional information about the organization**

## First section: organization general information

**\* Describe to what extent the organization is involved in standard development activity (select only one item):**

- ☐ Standard development <sup>(1)</sup>
- ☐ Existing contribution to standard development <sup>(2)</sup>
- ☐ Potential contribution to standard development <sup>(3)</sup>
- ☐ No contribution to standard development
- ☐ Other (specify):

1. *The organization develops its own standard documents.*
2. *The organization has either contributed or is contributing or is planning to contribute to standard development by supporting the work of either SDOs or Industrial Forums.*
3. *The organization has neither contributed nor is contributing nor is planning to contribute to standard development by addressing either SDOs or Industrial Forums, but the activity it is conducting can potentially support standard development activities in the future.*

**First section: organization general information**

**Moving to section 2:**

*Fill in information about the reference person for Standardization Actions within the organization*

**\* Reference person name:**

**\* Reference person organization:**

**\* Reference person email:**

**Reference person phone:**

## End of Survey

**Please send the survey to the reference persons for Standardization Actions listed below.**

Reference person name: (Reference person email)

[http://itu.int/go/green-ict landscape](http://itu.int/go/green-ict-landscape)

**Thank you for your cooperation!**

## Second section: general description of ongoing standardization actions

*This section should be accessed if the Organization Reference Person has selected one of the following options in the first section under “organization’s involvement in standard development”:*

- a) Standard development*
- b) Existing contribution to standard development*
- c) Possible contribution to standard development*
- d) Other.*

*This section collects general information about the Standardization Action/s performed, planned or envisaged by the organization. Each organization may create and fill in one or more forms: please fill in one form for each Standardization Action you wish to describe.*

## Second section: general description of ongoing standardization actions

### \* Standardization Action title

*Insert the title of the existing <sup>(1)</sup> or potential <sup>(2)</sup> Standardization Action.*

*Please fill a form for each Standardization Action you wish to describe, reusing the link that you received as many times as needed.*

1. *The organization develops its own standard document or, as an alternative, it has either contributed or is contributing or is planning to contribute to standard development by addressing either SDOs or Industrial Forums.*
2. *The organization is neither contributed nor is contributing nor is planning to contribute to standard development by supporting the work of either SDOs or Industrial Forums, but the activity it is conducting can potentially support standard development activities in the future..*

### \* Standardization Action ID

*Please use (or make your colleagues use) this ID in the third section of the questionnaire.*

## Second section: general description of ongoing standardization actions

### \*Standardization areas

Select one or more of the following areas:

- ☐ Energy efficiency in ICT equipment

*Design rules and technical solutions to optimize ICT devices energy consumption*

- ☐ Energy efficiency in ICT infrastructures

*Design rules and technical solutions to optimize ICT infrastructure (i.e. a cluster of ICT devices and the related ancillary parts as, e.g., air conditioners, power converters; e.g., networks, data centres, ...) energy consumption*

- ☐ ICT equipment global sustainability

*Green supply chain (environmentally friendly manufacturing equipment, and end of life management of ICTs) and environmental impact evaluation (of equipment, infrastructures and services)*

- ☐ Responsible sourcing of raw material

*Actions to raise social and ethical standards with respect to the raw materials in ICT products.*

- ☐ Other (specify):

### \*Reference URL

*Insert the URL with additional information about the standardization action*

**Second section: general description of ongoing standardization actions**

**Liaisons**

*Specify the established, planned or envisaged future liaisons/cooperation with other SDO/Forums/Projects during the standard development (if appropriate).*

Organization name <sup>(1)</sup>	
Standard reference <sup>(2)</sup>	
Additional info <sup>(3)</sup>	
Organization name <sup>(1)</sup>	
Standard reference <sup>(2)</sup>	
Additional info <sup>(3)</sup>	

- 1. *Organization addressed by the liason*
- 2. *Specify the addressed organization's standard document(s), if any, affected by the liaison (one row per each document)*
- 3. *Include a brief description of the liaison operability and targets*

**Second section: general description of ongoing standardization actions**

**Moving to section 3**

*Fill in information about the reference person for this “Standardization Action” within this organization.*

**\*Reference person name:**

**\*Reference person organization:**

**\*Reference person email:**

**Reference person phone:**

## End of Survey

**Please send the survey to the reference persons for each specific Standardization Action listed below.**

Standardization Action ID:

Standardization Action Title:

Reference person email:

<http://itu.int/go/green-ict-landscape>

**Thank you for your cooperation!**

### Third section: detailed description of each ongoing standardization action

*This section collects detailed information about each specific Standardization Action performed by the organization.*

*The information required in this section may be inserted by the reference person for a specific Standardization Action*

**\*Standardization Action ID**

*Please select the same ID used in the second section of the questionnaire.*

### Third section: detailed description of each ongoing standardization action

#### Title and description

*Insert the title and a short description of the existing <sup>(1)</sup> or potential <sup>(2)</sup> Standardization Action. Please ensure correspondence between information provided in section 2 and 3.*

##### \*Title

##### \*Description

1. *The organization develops its own standard document or, as an alternative, it has either contributed or is contributing or is planning to contribute to Standard development by addressing either SDOs or Industrial Forums.*
2. *The organization is neither contributed nor is contributing nor is planning to contribute to standard development by supporting the work of either SDOs or Industrial Forums, but the activity it is conducting can potentially support standard development activities in the future..*

**Third section: detailed description of each ongoing standardization action**

**\*Abstract** *(1000 characters max including spaces)*

**\*Keywords** *(100 characters max)*

Third section: detailed description of each ongoing standardization action

ICT technology areas

Select the technology area(s) that are impacted by the standard (multiple selections are allowed), moreover indicate the preeminent one (if any):

User terminal

	Influenced	Preeminent
Wired	<input type="checkbox"/>	<input type="checkbox"/>
Wireless/mobile	<input type="checkbox"/>	<input type="checkbox"/>

Home/office networking

	Influenced	Preeminent
Wired	<input type="checkbox"/>	<input type="checkbox"/>
Wireless	<input type="checkbox"/>	<input type="checkbox"/>

Customer premises

	Influenced	Preeminent
Wired access network	<input type="checkbox"/>	<input type="checkbox"/>
Wireless/mobile access network	<input type="checkbox"/>	<input type="checkbox"/>

Access network

	Influenced	Preeminent
Fixed	<input type="checkbox"/>	<input type="checkbox"/>
Wireless/mobile	<input type="checkbox"/>	<input type="checkbox"/>

Third section: detailed description of each ongoing standardization action

ICT technology areas

Select the technology area(s) that are impacted by the standard (multiple selections are allowed), moreover indicate the preeminent one (if any):

Wired core/edge network

	Influenced	Preeminent
Transport	<input type="checkbox"/>	<input type="checkbox"/>
Switching/routing	<input type="checkbox"/>	<input type="checkbox"/>

Wireless/mobile core/edge network

	Influenced	Preeminent
Transport	<input type="checkbox"/>	<input type="checkbox"/>
Switching/routing	<input type="checkbox"/>	<input type="checkbox"/>

Data centre

	Influenced	Preeminent
Networking equipment	<input type="checkbox"/>	<input type="checkbox"/>
IT equipment	<input type="checkbox"/>	<input type="checkbox"/>

Cooling technologies

	Influenced	Preeminent
Equipment	<input type="checkbox"/>	<input type="checkbox"/>
Network and data centre sites	<input type="checkbox"/>	<input type="checkbox"/>
Cabinet	<input type="checkbox"/>	<input type="checkbox"/>

Third section: detailed description of each ongoing standardization action

ICT technology areas

Select the technology area(s) that are impacted by the standard (multiple selections are allowed), moreover indicate the preeminent one (if any):

Power supply for

	Influenced	Preeminent
Equipment	<input type="checkbox"/>	<input type="checkbox"/>
Network and data centre sites	<input type="checkbox"/>	<input type="checkbox"/>
Cabinet	<input type="checkbox"/>	<input type="checkbox"/>

ICT services

	Influenced	Preeminent
Commercial services	<input type="checkbox"/>	<input type="checkbox"/>
Educational services	<input type="checkbox"/>	<input type="checkbox"/>
M2M	<input type="checkbox"/>	<input type="checkbox"/>
Others	<input type="checkbox"/>	<input type="checkbox"/>

Others

## Third section: detailed description of each ongoing standardization action

### Output description

Specify the SDO, Industrial Forum or other Organizations involved in or targeted (by the "Standardization Action"), the deliverable type, the status of the deliverable as well as the tentative start and end dates of the developing activity.

**\* Organization name:**

**\* Document type<sup>(1)</sup>**

**\* Title**

**\* Status<sup>(2)</sup>**

**\* SDO status<sup>(3)</sup>**

**\* Publication date<sup>(4)</sup> (DD/MM/YYYY)**

**Additional info<sup>(5)</sup>**

1. e.g., ETSI Standard (ES), ETSI Guide (EG), IETF RFC Standard (STD), IETF RFC Best Current Practice (BPC), ITU-T Recommendation G-Series, ITU-T Recommendation G-Series, ITU-R Publication, ZigBee Alliance Specification, ZigBee Alliance Standard, Broadband Forum, etc.
2. One among : a) Early Draft, b) Stable Draft, c) Final Draft, d) Approved, e) Published, f) voting phase (select the definition that is closest to the organization specific one).
3. Organization specific status code if any.
4. Expected if the document is being edited
5. Include a brief description of the content if more than one document is listed and a link (URL) to the document

Third section: detailed description of each ongoing standardization action

\*Scope

Provide the scope description including the typical usecases where the standard can be applied to obtain the objectives defined above (500 characters maximum).

Technologies

Identify the technologies possibly defined in the standard, if appropriate (e.g. interfaces, protocols, transmission techniques, architectures ....).

Name	
Description	
Name	
Description	

Third section: detailed description of each ongoing standardization action

Best practices

Identify the best practices possibly defined in the standard, if appropriate.

Name	
Description	
Name	
Description	

Third section: detailed description of each ongoing standardization action

Metrics, KPI and benchmarks

Identify the metrics/KPIs/benchmarks defined in the standard, if appropriate.

Name	
Description	
Name	
Description	

Third section: detailed description of each ongoing standardization action

Test methods and methodologies

Identify the test methods defined in the standard, if appropriate.

Name	
Description	
Name	
Description	

## Third section: detailed description of each ongoing standardization action

### Reference to other related standards/documents

List the main standards, technical documents or papers, which the activity output refers to (if appropriate).

Organization Name	<input type="text"/>
Document Type	<input type="text"/>
Title	<input type="text"/>
Relevance <sup>(1)</sup>	<input type="text"/>
Additional Info <sup>(2)</sup>	<input type="text"/>
Relation <sup>(3)</sup>	<input type="text"/>

1. Choose: a) Informative, b) Normative.
2. Include a brief description of the content and a link (URL) to the document
3. Specify what relation the listed document has with the 'Standardization Action Output'; select one among a) Technology; b) Metric/KPI; c) Benchmark/Test Method, d) Best practices. For example , selecting (a), it means that the listed document is a Technology, which the "Standardization Activity Output" is based on; selecting (c), it means that the listed document defines Benchmarks or Test Methods the "Standardization Action Output" refers to.

### Third section: detailed description of each ongoing standardization action

#### Open issues

*Identify and describe the open issues which may be considered relevant but not included above*

A large, empty rectangular text area with a light gray background, intended for describing open issues. It has a vertical scrollbar on the right side.

#### Future actions

*Specify any planned or envisaged future development(s) for this Standardization Action*

A large, empty rectangular text area with a light gray background, intended for specifying future actions. It has a vertical scrollbar on the right side.

### Third section: detailed description of each ongoing standardization action

#### Technical contact person

*Fill in information about the technical contact person for the specific Standardization Action (if different from the reference person) within this organization.*

**\* Technical contact person name:**

**\* Technical contact person organization:**

**\* Technical contact person email:**

**Technical contact person phone:**

**End of Survey**

**Thank you for your cooperation!**