

STAR GRID project

Christoph Nölle

 **Fraunhofer**
IWES

Contents

- Project details
- Objectives
- Current Actions
- Publications
- Summary

STARGRID project

STandards Analysis supporting smart eneRgy GRID development – STARGRID

- FP7 project, ICT-2011.6.1 Smart Energy Grids
- 2 years project: October 2012 – September 2014
- 5 partners



Objectives

- Mapping of Smart Grid standardisation activities
- Improving standardisation awareness
- Collection of stakeholder opinions, data on actual usage of standards, etc.
- Advice for policy makers, stakeholders and standardisation initiatives

Objectives

1) Mapping of Smart Grid standardisation activities

- ❖ focus on EU, US, East Asia, Australia,
...
- ❖ consider both classical standardisation
committees (IEC, CLC, NIST, ...)
- ❖ and industry initiatives (OpenADR,
Echonet, E@H, EEBus, OGEMA, ...)

Objectives

1) Mapping of Smart Grid standardisation activities

❖ thematic focus:

- In-home & customer interface (Smart Metering, Demand Response, DER)
- Interplay between standardisation & regulation (Smart Metering, DER integration, ENTSO-E grid codes)

Objectives

2) Collect requirements of different stakeholder groups

- ❖ based on publications such as position papers, stakeholder input during workshops, and verification through an online questionnaire
- ❖ see presentation by Doina Dragomir

Objectives

3) Analysis of the standardisation landscape, assess standardization activities based on stakeholder requirements

- ❖ based on existing work, as e.g. the Gap Analysis of the SG-CG, NIST, and stakeholders input
- ❖ compare standardisation strategies in EU, USA, Japan, Australia, ...

Objectives

4) Analysis of industry opinion regarding existing standards, initiatives and gaps

- ❖ impact of gaps and inconsistencies on the development and deployment of Smart Grid technologies

Objectives

- 5) Provide recommendations towards politics, standardisation bodies and industry
- 6) Dissemination
 - ❖ project results and information on standardisation processes are published on the website
 - ❖ organisation of industry workshops; information exchange, networking, etc.

Publications » STARGRID +

stargrid.eu/?page_id=54

W - Wikipedia (en)

STARGRID EU

Search

STARGRID EVENTS SMART GRIDS AND STANDARDISATION PUBLICATIONS

Standards Hub for Smart Grid Industries


News

Two national STARGRID Workshops to be held in Romania and Italy this autumn
3 August, 2013

First STARGRID reports map the Smart Grid standards and industry initiatives
9 July, 2013

Material

Project fact sheet



Download PDF

Publications

STARGRID publications will contain analyses of ongoing standardisation activities and processes as well as stakeholders' views. Finally, recommendations will be given regarding its future strategy on Smart Grid standardisation for efficient deployment of Smart Grids. All public project reports will be available on this website.

Title	Description	Release
Smart Grid Standardisation Documentation Map	Inventory of the collected standardisation documents concerning Smart Grids.	Spring 2013
Smart Grid Industry Initiatives Documentation Map	Inventory of the collected industry initiatives currently in progress for Smart Grids.	Spring 2013
Stakeholders' Requirements Analysis Report	Analysis of standards and standardization initiatives through evaluation criteria based on the stakeholders' requirements.	Autumn 2013
Standardisation Document	Report comprising the results, methodology and	Early

Newsletter

Request form

Current actions

- Stakeholder survey
 - ❖ Actual use of standards (regional distribution) -> feedback to committees
 - ❖ Stakeholder requirements, known gaps and standardisation awareness
 - ❖ see presentation by Ioulia Papaoiannou for more information.
 - ❖ Results will be available in reports from the website.

Current actions

- Stakeholder survey
- Regional/country workshops
 - ❖ Bucharest : 2013-09-11
 - ❖ Milan : 2013-10-30
 - ❖ Spain : 2014
 - ❖ Germany : 2014

Current actions

- Stakeholder survey
- Regional/country workshops
- Interviews
 - ❖ to find out more about the actual std. needs of industry for a large scale Smart Grid roll-out in Europe

Current actions

- Stakeholder survey
- Regional/country workshops
- Interviews
- Searchable database (drafting phase)

(Selected) Public Deliverables



Summary

- Aims:
 1. provide a publicly available overview on Smart Grid standardisation
 2. gather requirements and reactions on standardisation initiatives and disseminate information on standards to stakeholders
 3. provide recommendations to various actors
- ➔ support the large scale deployment of Smart Grid technologies

THANK YOU

Christoph Nölle
Fraunhofer IWES
+49(0)561-7294-492
christoph.noelle@iwes.fraunhofer.de

 **Fraunhofer**
IWES