

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



General objectives

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

Scope

- Focus on 3 Smart Grid Topics
 - DER integration & grid control
 - Demand response & customer energy management
 - Smart metering
- Consider in particular consortium-driven standardisation initiatives as well as regulation, and their interplay with classical standardisation

Recent activities

List of IEC Smart Grid standard series	Please indicate the relevance of the standard (series) for your organisation. (1 = not in use; 5 = core standard)					Do you expect the relevance of the standard (series) to			Comments. Please indicate any potential problems with this standard (series) you are aware of, a need for updates or replacements, etc. You may also specify which parts of the standards series are in use.
	1	2	3	4	5	Increase	Decrease	Remain	
IEC 60870-5 Telecontrol equipment and systems - Part 5: Transmission protocols (including parts 101/104)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
IEC 60870-6 - Tase.2 Telecontrol equipment and systems - Part 6: Telecontrol protocols compatible with ISO standards and ITU-T recommendations	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
IEC 61850 - Power Utility Automation Communication networks and systems in substations	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
IEC 61968 - CIM for Distribution Application integration at electric utilities - System interfaces for distribution management	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
IEC 61970 - CIM for Energy Management Energy management system application program interface (EMS-API)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
IEC 62325 - CIM for Market Communication Framework for energy market communications	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
IEC 62351 - Security Power systems management and associated information exchange - Data and communications security	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
IEC 62056 - DLMS / COSEM									

Recent activities

- Stakeholder survey & interviews (see presentation by Giorgio Franchioni)
- national workshops Romania & Italy

Next steps

- Database (see presentation by David Nestle)
- Industry Summary Report (survey results)
- Document Analysis Report
- Recommendations

WWW.STARGRID.EU

THANK YOU

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