FINSENY Standardization strategy for the web page

Strategy

The FINSENY standardisation strategy identifies the Smart Grid standardisation activities which are relevant for the FISNENY scenario's work packages (Distribution networks, Microgrids, Smart Building, Electric mobility and Electronic marketplace for energy), how FINSENY has participated in and contributed to these activities and the impact that has been achieved by that.
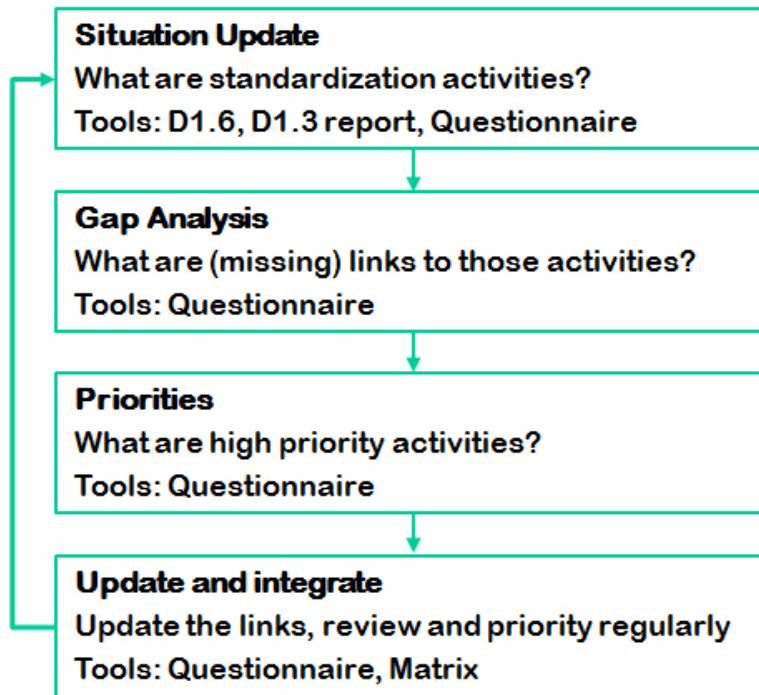
Smart Grid standardisation activities are happening in various Standards Development Organisations and Industry Consortia around the world at regional and international level. Relevant activities have to be taken into account by the FINSENY work packages as they impact the scenario, requirements and architecture definition. Furthermore the results of the FINSENY work packages will be feedback into the standardisation work in order to ensure that our approaches are taken into account in upcoming Smart Grid standards. This has been of special importance as Smart Grid use case and architecture definitions have been ongoing in parallel in FINSENY and in the European Smart Grid standardisation.

For a general strategy an overall accurate and updated picture of important standardisation activities is necessary as well as an action plan which identifies relevant activities, sets priorities and the needed actions with a timeline.

With this approach a strategy should consist of an overview of the activities and a tool to prioritize these activities. Further as the developments in the Smart Grid standardisation community are highly dynamic a regular update of the activities and priorities should be provided. And finally the workflow should seamless integrate into the activities already ongoing at FINSENY and its work packages.

In general a questionnaire was distributed and put online which lists the standardisation activities and relates them to FINSENY scenario's work packages. For each activity the relevance for the work package (priority) and contact person is defined. Comparing the FINSENY Working packages with the listed standardisation activities the questionnaire also allows to detect possible gaps in the coverage by FINSENY.

The following figure summarizes the standardization strategy followed in the project:

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┌────────────────────────────────────────────┐
│  Situation Update                          │
│  What are standardization activities?      │
│  Tools: D1.6, D1.3 report, Questionnaire   │
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                    │
                    ▼
┌────────────────────────────────────────────┐
│  Gap Analysis                              │
│  What are (missing) links to those activities? │
│  Tools: Questionnaire                      │
└────────────────────────────────────────────┘
                    │
                    ▼
┌────────────────────────────────────────────┐
│  Priorities                                │
│  What are high priority activities?        │
│  Tools: Questionnaire                      │
└────────────────────────────────────────────┘
                    │
                    ▼
┌────────────────────────────────────────────┐
│  Update and integrate                      │
│  Update the links, review and priority regularly │
│  Tools: Questionnaire, Matrix              │
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While identifying the activities and their contacts in FINSENY the questionnaire also contains a prioritisation. Setting priorities enables to distinguish between important and (maybe yet) less vital standardisation activities, which will reduce workload and put focus on the essential activities for FINSENY. By distributing the questionnaire the work packages will also receive an overview of the overall priorities.

For this overview a Matrix was created based on the questionnaire.

As the Smart Grid standardisation is especially dynamic and an activity might change its importance during time there is also a date for a priority re-evaluation included.

Questionnaire FINSENY Standardization Strategy

Objective of this this questionnaire is
-to register the contacts/links to Standardization Organizations (ESOs) and/or activities related to Standardization which already established and
-to register the missing contacts/links to Standardization Organizations (ESOs) and/or activities related to Standardization, which are evaluated as important for FINSENY

Please try to prioritize and enter only Standardization Organizations (ESOs) or activities which are important and directly related to FINSENY

Please fill in the yellow fields.

Priority Level = 3	vital importortance	decisions have direct effects on FINSENY, FINSENY actively involved or needs to be involved
Priority Level = 2	important for FINSENY	Track the activities, no immediate action necessary
Priority Level = 1	good to know	only tracking necessary

Standardization Organization (ESO)	Topic/Activity/Mandate	FINSENY Contactperson	Evaluate Priority Level	Related to Workpackage	Priority Level to be reviewed in (Date)	Comments
CEN/CENELEC/ETSI	M/490 /Smart Grid Coordination Group	Stein, Kosslers	3	WP1	03.03.2012	
CEN/CENELEC/ETSI	Working Group Information Security	Fries	3	WP1		03.03.2012 first interim Report distributed for comments
CEN/CENELEC/ETSI	Working Group Use Cases	Stein, Kosslers	3	WP1		03.03.2012 first interim Report distributed for comments
CEN/CENELEC/ETSI	Working Group Reference Architecture	Kosslers	3	WP1		03.03.2012 first interim Report distributed for comments
CEN/CENELEC	M/468 / Electro-mobility Coordination group (eM-CG)	Heiles	2	WP5, WP1		01.04.2012 Group is being established
CEN/CENELEC	M/441 Smart Metering					
ETSI						
IEC	SMB Strategic Group 3 "Smart Grid"	Heiles	3	WP1		
ENTSO-E	Grid Codes	Kosslers	3	WP1		01.01.2012 Grid Codes have regulatory (!!!) character

To summarize the questionnaire and the Matrix are used to:

- Establish an overview on the important standardisation activities
- Prioritize to further streamline the list
- Identify contact persons (and contacts gaps)
- Continuously track the activities and their importance

With the feedback from the questionnaire which itself has been reviewed and adapted according to the feedback, the results have been entered into a Matrix to serve the FINSENY scenario's work packages as an overview. This Matrix depicts the standardisation activities and relates them to the FINSENY scenario's work packages.

Standardization Organization (ESO)	Topic/ActivityMandate	Related to Workpackages					
		WP2 Smart Distribution Network			WP3 Regional-/Microgrid		
		Priority	Contact	review in	Priority	Contact	review in
CEN/CENELEC/ETSI	M/490 /Smart Grid Coordination Group	3	Stein, Kosslers	31.04.12	3	Stein, Kosslers	3
CEN/CENELEC/ETSI	Working Group Information Security	3	Fries	31.04.12	3	Fries	3
CEN/CENELEC/ETSI	Working Group Use Cases	3	Stein, Kosslers	31.04.12	3	Stein, Kosslers	3
CEN/CENELEC/ETSI	Working Group Reference Architecture	2	Kosslers	03.03.2012		Kosslers	
CEN/CENELEC/ETSI	M/490 /Smart Grid Coordination Group - Mandate Iteration	3	Stein, Kosslers	31.04.12	3	Stein, Kosslers	3
CEN/CENELEC	M/468 / Electro-mobility Coordination group (eM-CG)						
CEN/CENELEC	M/441 Smart Metering						
CEN/CENELEC	EC Smart Grid Task Force (SGTF)	1			1		
CEN/CENELEC	SGTF - EG1. Reference Group for Smart Grid Standards	1			1		
CEN/CENELEC	SGTF - EG2. Expert Group for Regulatory Recommendations for Data Privacy and Data Protection in the Smart Grid Environment	1			1		
ENTSO-E	ENTSO-E Grid Codes	3	Kosslers		3	Kosslers	
ETSI	ETSI M2M & One M2M activities	2	Privat		2	Privat	
IEC	SMB Strategic Group 3 "Smart Grid"	3			3		
IEC	IEC TC8 Systems aspects for electrical energy supply	2			2		
IEC	TC 57 Power systems management and associated information exchange	3			3		
ENTSO-E	Grid Codes Generator						
ENTSO-E	Grid Codes Demand Connection Code						

This Matrix should be seen as a living document accessible to all work packages identifying and prioritizing the relevant standardisation activities. Setting the priorities will allow FINSENY to allocate necessary resources and the mapping across the work packages will allow using synergies, preventing double work and support networking within FINSENY.

This strategy is a start and can be modified as the highly changing Smart Grid standardisation situation requires, also in the following project phases.

In addition to this tool CONCORD has started a Standardisation Working Group. The connection to the group also supports to identify the important prioritization activities. The main objective of the Standardisation Work Group is to facilitate the projects in the identification of existing and potentially applicable standards and in the process of standards definition from pre-standardisation to compliance testing and marketing. Its objective is also to maximise the standardisation impact across all of all the Future Internet PPP projects.