

# SGIP news

Wednesday, Sept. 14, 2011

## Governing Board Making Progress on Many Fronts

The Governing Board, in its September 8 meeting, moved forward across a wide spectrum of issues, from the specific details of technical standards to the broad sweep of international outreach. Highlights include:

- Further development of the SGIP Catalog of Standards
- Outreach efforts under way with key officials on Capitol Hill and across the globe
- Board briefings related to two issues that may lead to new working groups:
  - Reliability, safety, and implementation
  - Distributed renewables, generators, and storage

### Catalog of Standards (CoS)

Three new standards are currently completing the final steps towards the SGIP plenary membership vote for inclusion in the Catalog of Standards (CoS). These standards have successfully concluded the completion of the required SGIP reviews and CoS documentation. Last month, the Governing Board voted to recommend the inclusion of:

- **SAE 2847-1 Communication Between Plug-in Vehicles and the Utility Grid** (This standard establishes requirements for communication between plug-in electric vehicles and the electric power grid.)

By the end of September, the Governing Board will complete its voting and make a recommendation to SGIP members on two additional standards:

- **OASIS WS-Calendar Common Schedule Communication Mechanism for Energy Transactions** (A cross-domain standard for passing schedule and interval information between and within services.)
- **IEEE Std C37.238-2011 -- Standard Profile for Use of IEEE Std. 1588 Precision Time Protocol in Power System Applications** (This standard provides for highly accurate time synchronization over a communication network for mission-critical power system protection, control, automation, and synchronized phasor measurements.)

If the Board approves inclusion, the final step for these three standards is a vote by the full SGIP Plenary in October on whether to accept these individual standards into the Catalog of Standards.

The Catalog of Standards serves as a compendium of standards, practices, and guidelines considered relevant for the development and deployment of a robust and interoperable Smart Grid. The Catalog will eventually contain hundreds of these consensus documents. For more details about the Catalog and these three specific standards, see:

<http://collaborate.nist.gov/twiki-sggrid/bin/view/SmartGrid/SGIPCatalogOfStandards>.

### Outreach Efforts

The Board received reports outlining outreach activities, including the Congressional hearing held earlier that same day. The Technology and Innovation Subcommittee of the U.S. House of Representatives' Committee on Science, Space, and Technology convened a hearing titled "Empowering Consumers and Promoting Innovation through the Smart Grid." The hearing provided the Subcommittee with an update on current standards development accomplishments, as well as the actions needed to empower and protect consumer interests while promoting innovation through the growth of the Smart Grid. Two members of the SGIP Governing Board, John Caskey (Vice Chair) and Rik Drummond (Chair, Smart Grid Testing and Certification Committee), gave testimony. Dr. George Arnold, National Coordinator for Smart Grid Interoperability at NIST, also testified. Details about the hearing, including a video of the proceeding, are available online (<http://science.house.gov/hearing/technology-and-innovation-subcommittee-hearing-smart-grid>).

Another outreach activity receiving significant Board attention is international collaboration. The Letter of Intent between the SGIP and the Korean Smart Grid Standardization Forum, formally signed at the July SGIP Meeting in

Montreal, provides a model for collaboration with other international organizations. The Governing Board’s international task group is continuing discussions on bilateral relationships with groups from Japan, China, the European Union, and several other countries. In addition, the Governing Board encouraged the task group to continue exploring the creation of a strategic arm of the SGIP that would provide a focus for increased international collaboration.

**SGIP Organizational Issues**

Mark Klerer, SGIP Plenary Vice Chair, reported on the progress of the exploratory team formed to study issues related to reliability, safety, and implementation that grew out of a technical conference convened by the Federal Energy Regulatory Committee (FERC). The team has been expanded into a larger discussion group that includes the grid operating entities, state and federal regulators, and reliability organizations. The group is focused on defining the scope of issues to be addressed, options to accommodate such issues in the SGIP organization, and the composition and qualifications of participating experts.

Another issue area receiving increased attention within the SGIP organization is the need for a forum to identify issues and standards gaps related to distributed generation and storage, including renewable/clean energy. The Governing Board heard a report on the possible creation of a new Domain Expert Working Group (DEWG)—the Distributed Renewables, Generators, Storage (DRGS) DEWG. The goal of this DEWG would be to advance interoperability through consistent integration approaches for DRGS to effectively aggregate and manage these resources. A draft charter for this new DEWG was distributed to Governing Board members for review and comment, with the likely outcome being establishment of this DEWG later this fall.

**You can find the slides and audio recording now posted to the TWiki for your review:**  
<http://collaborate.nist.gov/twiki-sggrid/bin/view/SmartGrid/SGIPGBMeetingsAndMinutes>.

***Reminder: SGIP Plenary Meets Friday, Sept 16 at 1pm Eastern***

**PLANNED AGENDA**

Time Durations	Item	Presenter
1:00 – 1:10	Welcome & Status Overview	Steve Widergren
1:10 – 1:20	NIST Update	George Arnold
1:20 – 1:30	Governing Board Update	John McDonald
1:30 – 1:45	SGIP Calendar of Events <ul style="list-style-type: none"> <li>– Grid-Interop SGIP Co-Location Meeting in Phoenix</li> <li>– Upcoming Elections</li> <li>– 2012 Calendar</li> </ul>	Dave Mollerstuen
1:45 – 2:00	Coordination Function Updates <ul style="list-style-type: none"> <li>– Standards review status and upcoming standards votes</li> <li>– Administrator contract update</li> <li>– PAP highlights</li> </ul>	Stuart McCafferty
2:00 – 2:30	Standing Committee Reports <ul style="list-style-type: none"> <li>– Cyber Security WG</li> <li>– Architecture Committee</li> <li>– Testing &amp; Certification Committee</li> </ul>	Marianne Swanson Ron Ambrosio Rik Drummond
2:30 – 2:45	DEWG Updates <ul style="list-style-type: none"> <li>– Distributed Renewables, Generators, and Storage</li> <li>– H2G: Appliance Interface for Demand Response</li> </ul>	Al Hefner Ken Wacks
2:45 – 2:50	Other Business	
2:50 – 3:00	Questions	Steve Widergren

3:00

Adjourn

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[Click here for webinar and phone registration.](#) Attendance is mandatory for SGIP Participating Members.

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