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To: sgip-all@smartgridlistserv.org
Subject: SGIP News: A Summer 2011 Meeting Recap

SGIP news

Friday, July 15 2011

Global Connections and Collaboration

This truly does define the week in Montréal for the SGIP members. Just as planned, the week was full of international participation and involvement. Korea, Japan, Europe, China, India, Brazil and many other nations were represented creating a sense of global collaboration. Each day the agenda highlighted the multi-national aspects of our work.

For the first time ever, due to the sheer volume of ongoing work, the SGIP meeting kicked off with the Governing Board convening for a two-day event on both Monday evening and Tuesday morning.

The Monday night meeting covered reports from the SGIP Plenary Leadership, the Communications, Marketing and Education (CME) Working Group, and the Intellectual Property Rights (IPR) Working Group.

On Tuesday morning, the Board covered a full agenda, including:

- Dr. George Arnold's updates on the key government Smart Grid activities, including the White House Task Force policy direction.
- SGIP international coordination efforts including a briefing from members of the Asia-Pacific Economic Cooperation (APEC) initiative on regulatory cooperation for Smart Grid interoperability.

To view the slides from their presentations, [click here](#).

In the Opening Plenary session on the first day, to kick-off the international feel for the week, Steve Widergren, Plenary Chair, led the international signing ceremony of the SGIP Letter of Intent highlighting the agreement of coordination between the Korea Smart Grid Standardization Forum (KSGSF) and the SGIP Governing Board. [Click here](#) to see pictures.

In addition, Steve announced the highly-anticipated and exciting news on the voting results by the SGIP members for the first six standards for inclusion in the Catalog of Standards (CoS)! Plus, there was an announcement regarding the new work beginning on the 83 NIST-"identified" standards in the Framework.

The week continued with Luiz Carmo from Brazil's National Institute of Metrology, Standardization and Industrial Quality (Inmetro), speaking during breakfast on Wednesday morning regarding the Smart Grid activities in Brazil, lessons learned, and Inmetro's Smart Grid interoperability needs. Mark Earley of the National Fire Protection Association provided safety insights and perspective for attendees.

Concluding the week, Dr. George Arnold led an international panel on Thursday morning to discuss global standards coordination and specific experiences, lessons learned and standards needs. Thank you to the panelists who participated and shared their insight.

Finally, to conclude the week, Tatsuya Shinkawa of New Energy and Industrial Technology Development Organization (NEDO) spoke on the *Great East Japan Earthquake and Renewable Energies* in Japan. Also, during lunch on the final day, attendees heard from Bill Bryans of Electro-Fed Canada and the Canadian National Smart Grid Technology and Standards Task Force, who provided a farewell speech from the Great White North on Electro-Feds Smart Grid activities. Lastly, Paul Boynton from NIST gave an update on the European Union's Smart Grid Coordination Group (SG-CG).

Thank you to all of those who made this week productive and successful as we seek to further the cause of the SGIP to advance interoperability. One reminder from the week: as an SGIP member, your contributions to new activity are critically needed, such as the review of standards and guides identified through the stakeholder contributions to NIST's Framework and Roadmap for Smart Grid Interoperability. Email the Administrator to learn more about how you can contribute.

Following is a list of the highlights from our week in Montréal:

Standing Committees

Smart Grid Architecture Committee (SGAC)

- Established working party to assign and manage progressing CoS standards through the SGAC
- Reviewed status of P2030 Analysis Team
- Discussed various international architecture efforts

SGAC Semantic Modeling

- Developed list of Use Cases on the usage of deliverables from the Semantic Modeling team
- Developed one key use case in some detail – outline form
 - Discussed the relationships of device vs enterprise semantic models
 - Discussed the value of the PAP06 UML representation form for harmonization activities and adaptors

Smart Grid Testing and Certification Committee (SGTCC)

- SGTCC End – Agreed on content within the HAN Installation and Provisioning test case intended as a pilot towards a common test case approach for a range of E2E test issues
- IPRM Version 2 – Plans developed to launch this effort as a priority item for 2H11
- SGTCC IPRM Implementation working group: planned ongoing efforts to support ITCA adoption of SGTCC recommendations and enhance processes to recognize successful implementations

Cyber Security Working Group (CSWG)

- DoE project brief was given by Samara Moore
- Risk Management Process Document update was given by Marianne Swanson
- NESCOR project update was given by Annabelle Lee
- ASAP-SG project update was given by Darren Highfill
- Marianne Swanson completed our session with updates from the Design Principles, Standards, AMI Security, and testing & Certification subgroups

Priority Action Plans

PAPs 3 and 4

- Updates on PAP03 and PAP04 requirements review for EMIX and WS-Calendar
- Presented status and access links to OASIS EMIX and WS-Calendar public review documents.
- Discussed work items going forward for changes after publication of 1.0 version specifications
- Initiated close out procedure

PAP 6

- Reviewed UML (unified modeling language) model, EDL (exchange data language) schema
- Reviewed the White Paper (major deliverable)
- Created timeline to complete technical work by end of August
- Started closeout process

PAP 7

- IEEE 1547.4 has been published!
- IEEE 1547.7 is working on defining requirements for distribution studies with high penetrations of DER
- IEEE 1547.8 on interconnection standards for high penetration of DER will have a meeting in San Francisco August 4-5 to work on draft
- IEC 61850-90-7 on ancillary services has been submitted to the IEC for publication – volt/var modes, frequency modes, dynamic grid management, and low voltage ride-through

PAP 8

- Portions of the PAP 8 work are beginning to be incorporated into the WG 14 work stream.
- Prototype test harness for 61968, with broad applicability to other standards was demonstrated.

PAP 9

- OASIS Energy Interoperation Public Review 02 specification has been published
- Showed how to access freely downloadable Energy Interop specification.
- Discussed work items going forward for Energy Interoperation 1.0

PAP 10

- Reviewed ongoing incorporation of Energy Usage information standard, including NAESB ESPI (under public review) and ASHRAE SPC201P.

PAP 12

- IEEE 1815-2010 (DNP3) is in the process of an update including revision to the cyber security content
- Draft of the new standard IEEE P1815.1 for mapping between IEEE 1815 and IEC 61850 is progressing well with the IEEE
- Reviews by the CSWG and SGAC are underway (IEEE P1815.1)

PAP 13

- IEEE C37.238 (IEEE 1588 power profile) is in the process of publication by the IEEE
- IEC 61850-90-5 is now an IEC Draft Technical Report (DTR) and is being reviewed by the applicable IEC national committees and IEC WG 10.
- Reviews by the CSWG and SGAC are complete

PAP 15

- Members agreed to cooperate on the development of coexistence mechanisms for several Narrowband low frequency power line communications protocols being developed.
- Conference calls between IEEE P.1901.2 and ITU-T G.hnem groups were arranged to further resolve technical issues and to firm up the collaboration procedures.

PAP 16

- Maintenance team for standard now formed; Convenor, Andreas Johnson, is a member of the PAP.
- Maintenance team will first address model, IEC 61400-25-2, and then address PAP recommended changes

PAP 18

- Achieved consensus on v0.95 white paper (will be releasing the completed v1 shortly).

Domain Expert Working Groups (DEWGS)

BnP

- Collaborating with GB TF considering how to implement reliability / implementability reviews in SGIP process.
- Updates from NAESB (Data Privacy), NARUC, Appliance Subcommittee.
- Largest attendance of any BnP meeting with 55 attendees, which included representatives from Canada, Mexico, and Korea.

B2G / I2G

- Workshop breakouts to discuss outstanding interoperability issues in small groups
- Had good input from many diverse perspectives that will help guide follow-on development of B2G/I2G roadmap

Renewables and Storage

- Six presentations, including Army need for stand-alone and virtual microgrids, Japan earthquake effect on generation mix, concerns regarding reliability of grid with high penetration of DER, etc.
- 70 participants, physically and virtually

TnD

- The NIST Framework Release 2.0 was briefly briefed and a PAP 14 update was presented
- Frances Cleveland presented a spreadsheet that she had developed for comparison of standards with respect to OSI/GWAC levels covered, relevant interfaces as identified in the NISTIR 7628, and other items. It was recommended for use to support the T&D DEWG's Catalog of Standards (CoS) reviews.
- The standards reviews for the CoS assigned to the T&D DEWG were discussed. The Criteria and Analysis and assigned standards were presented.

Other Working Groups

SGIPGB Bylaws and Operating Practices (BOPWG)

- Discussed proposals and issues involving possible changes to the SGIP and SGIPGB Charter, primarily from comments received during public review of bylaw change proposals.
- BOPWG recommended and the SGIPGB approved the creation of a tiger team to review balance of voting across stakeholder categories issue and make further recommendations to the SGIPGB and SGIP.

IPSWG

- Reviewed Purpose of Group
- Old Work Item: Discussed New Informational RFC Draft on IP Management Standards
- Reviewed New Work Item on Whitepaper for Managing Smart Grid Networks Based on IP

Contact SGIP Leadership and Administrator at sgipgb.administrator@enernex.com

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