Smart Grid Interoperability Panel – Cyber Security Working Group
Meeting Minutes (October 17, 2011)

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If you want to be on an email list, contact Marianne and Tanya.

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SGIP-CSWG Sub Group Information:
Listed below are the SGIP-CSWG leads for each group. More detailed information about each group is available at:
If you would like to join any of these subgroups, please let Marianne and Tanya know and you will be added to the group(s).

Current Standing Subgroups

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<th>Architecture Group</th>
<th>Standards Group</th>
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<td>CSWG Leads: Sandy Bacik</td>
<td>CSWG Leads: Frances Cleveland</td>
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<th>Design Principles Group</th>
<th>Testing and Certification Group</th>
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<td>CSWG Lead: Daniel Thanos and Annabelle Lee</td>
<td>CSWG Leads: Nelson Hastings and Sandy Bacik</td>
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<th>High Level Requirements Group</th>
<th>CSWG/SGSEC AMI Security Group</th>
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<td>CSWG Leads: Dave Dalva and Victoria Yan Pillitteri</td>
<td>CSWG Leads: Sandy Bacik and Doug McGinnis</td>
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Privacy Group
CSWG Leads: Rebecca Herold

Remember:

Please mute your phone when not speaking, and please do not put the call on hold as we will hear the hold music. Thank you.
Grid-Interop – SGIP Meeting

Grid-Interop will be held at the Phoenix Convention Center, starting 5 December. The SGIP will have a number of meetings during the conference.

The SGIP Governing Board meeting will be on 4 December, starting at 6 PM, and going to noon on the 5th. The SGIP meetings will begin the afternoon of the 5th and will go through the 7th. The CSWG will not hold a separate session during Grid-Interop. Marianne encourages CSWG members to attend other sessions, such as the PAP 18, SGAC, and SGTCC meetings. Please use this as an opportunity to share information about the work of the CSWG, and to gather information about the work of the other groups.

In addition, there are cyber security sessions being held in conjunction with Grid-Interop. Please check into those.

Subgroups

Architecture subgroup

The group completed and harmonized the SGAC actors with the NISTIR 7628 actors, and will be updating the NISTIR 7628. Thank you to Elizabeth Sisley for leading this effort.

The group also started the review of the Smart Grid transaction / message types to match the security services in the security conceptual architecture. A utility will be able to use the security services list to select the technologies for implementation in their security architecture.

Two questions were raised on the call

Q: Will this change the logical interface categories?
A: No.

Q: Are the actors harmonized with the NERC defined actors?
A: Sandy did not know, but pointed out that this was up to the Architecture Committee. Marianne will ask Ron Ambrosio.

AMI Security subgroup

The AMI Security subgroup completed the selected use cases for the updated SG Security AMI Security profile. The group also identified the failure scenarios for each use case step, and updated the security controls from the SG Security AMI Security profile. Note that there are over 200 controls.

This week the group will continue to review the controls to match to specific use case steps, roles, and / or failures.
Testing and Certification subgroup

The group is in the final review of the “Guide for Assessing the High Level Security Requirements in the NIST IR 7628, Guidelines for Smart Grid Cyber Security”. When reviewed and approved by the CSWG Management team, this will be issued as an SGIP document.

The group completed a draft of the cybersecurity chapter for the IPRM V2.0; Marianne forwarded the draft to the SGIP Testing and Certification Committee. The SGTCC will be issuing their first draft for public comment, including our chapter, on 24 October.

Germany produced a Protection Profile for the Gateway of a Smart Metering System that is based on Common Criteria. This Protection Profile contains Common Criteria-based requirements for building and implementing a smart meter gateway. The smart meter gateway will collect smart meter data and provide the information back to the utility. The subgroup has been asked to review the Protection Profile for the Gateway of a Smart Metering System to ensure the requirements are actionable and to map the Protection Profile requirements to the NISTIR 7628.

Standards subgroup

The Standards subgroup is currently reviewing IEEE 1686.

Previously, the group completed the PAP18 transition whitepaper and forwarded it to PAP18. PAP18 reviewed our comments; many of our recommendations will be forwarded to the Zigbee Alliance and will not be placed in the updated whitepaper.

NAESB agreed to put REQ 21 and REQ 22 on the SGIP Standards Portal for review; the group should be able to start the PAP10 review in the next couple of weeks.

The CSWG was asked to review the Home-to-Grid DEWG documents. Stewart is looking at that request and will tell us the priorities for those. In addition, the Standards subgroup is starting to review some of the 99 (i.e., low) priority standards and has asked the SGIP Program Management Office to assign higher priorities to some of those standards.

There are other standards that are not on the SGIP list. The question was raised; how do those get prioritized? Please bring those up on the Standards call for discussion.

Privacy subgroup

The Privacy subgroup has 5 sub teams. Updates for each were given.

- The NSTIC team is currently on hold
- The PEV team is currently on hold
- The 3rd Party Data Access and Protection team is doing great work. The team is creating a best practices document by looking at established best practices and requirements. The output will include a summary matrix that will likely be included in the next version of the NISTIR. The group is meeting twice a week on Monday afternoons and Thursday mornings.

- The Privacy Use Cases team is looking at the use cases from the first edition of the NISTIR 7628. Currently the team is doing a 2nd round of updates, and will submit to the full Privacy group for feedback.
  - There was a question around new use cases for metered data. Sandy will send a few new use cases that may include user data to Rebecca.

- The Awareness and Training team is completing the first set of privacy training slides as a primer for smart grid privacy issues. The slide deck will also address the kind of training required. Once done, the group will do another slide set for consumers and/or PUCs. All of these will be shared with Mladen and the CMEWG. Marianne also wants to share this with Ari Schwartz, the NIST privacy person.

**Design Principles Group**

The group is making slow progress. To speed things up, the group will start to organize the material they have developed on the call, and will call for volunteers to get the material done more quickly.

The group also plans to return to the discussion of hierarchical key management. There is a lot of interest in this area, and could be a very good chapter for the next version of the NISTIR.

**IEC Work Item 62443**

The first meeting for IEC Work Item 62443 was held a couple of weeks ago in The Hague. During that meeting, the group divided up into specific working groups and assigned topic leaders to talk to the various comments.

The group is looking for additional comments. Anyone from the SGIP and/or the CSWG is welcome to submit comments. (contact Mike Ahmadi)

There is another meeting in Zurich in February, and another in Belgium in May.
**Smart Grid Security West Conference**

This was a good conference. Marianne handed out the 1 page CSWG glossy to a number of interested people. Please feel free to download the PDF from the following link (look at the top of the page), and distribute to your organization.

http://collaborate.nist.gov/twiki-sggrid/bin/view/SmartGrid/CSWGOutreach

The next conference will be in April.

**Risk Management Process Guide.**

The last day for comments is 29 October. Please review the document, specifically to see if you could use it in your own organization to develop a risk management program. Specific feedback is requested for readability, usability, etc. Please provide comments.

https://public.commentworks.com/CW_DOE_AWF/

**Next Call**

The next CSWG call is scheduled for the 31 October 2011.

**Thank you!**

**Next call for the SGIP-CSWG:** Monday, October 31, 2011 at 11:00 EST  
**Call-in number:** 866-793-6322  
**Participant passcode is:** 3836162

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