CSCTG Sub-Groups Information:
Listed below are the CSCTG leads for each group. More detailed information about each group is available at http://collaborate.nist.gov/twiki- sggrid/bin/view/SmartGrid/WorkingGroupInfo. If you would like to join any of these sub-groups, please let Annabelle and Tanya know and you will be added to the group(s).

**Standing Sub-groups**

**Architecture Group**
CSCTG Leads: Justin Searle & Sandy Bacik

**Bottom Up Group**
CSCTG Leads: Andrew Wright & Daniel Thanos

**High Level Requirements Group**
CSCTG Lead: Annabelle Lee

**Privacy Group**
CSCTG Lead: Gal Schpantzer

**R & D Group**
CSCTG Leads: Jessica Ascough & Carl Gunter

**Standards Group**
CSCTG Lead: Ramesh Reddi

**Vulnerabilities Group**
CSCTG Leads: Matt Carpenter & Matt Thomson

**FERC4+2 Sub-groups (on hold)**

**AMI Group**
CSCTG Lead: Darren Highfill

**DGM Group**
CSCTG Lead: Jesus Molina

**DR Group**
CSCTG Lead: Ramesh Reddi

**ES Group**
CSCTG Lead: Andrew West

**ET Group**
CSCTG Lead: Stanley Klein

**WASA Group**
CSCTG Lead: Joe Bucciero

**Grid Interop Summary & Highlights**

- The Charter for the SGIP was passed, and the SGIP Governing Board members were elected. There are still a few open slots on the SGIPGB. Watch the SGIP twiki site for further developments.
- Patrick Gallagher, the NIST Director, gave a very nice opening speech, clearly mentioning the importance of cyber security in the smart grid.
- CSCTG is now a Working Committee under the SGIP.
• The Architecture Committee will be stood up under the SGIP soon. Annabelle is working to make certain our Architecture group is in touch with the correct people for good coordination.

• We will need to coordinate with the SGIPGB as closely as possible.

• It was also brought up at the debriefing meeting on Thursday that the CSCTG and the PAPs need to coordinate closely. We will work on how to best coordinate without duplication of work and effort as much as possible.

• Annabelle’s overview panel on Thursday went very well, and she received some very positive feedback, particularly on having the various group leads speak about their groups. Thanks to all those who spoke and/or helped prepare slides!

December 7th - 8th Working Meeting (the time and location are firm)

The next CSCTG face-to-face working meeting will be held December 7 – 8 at Neustar, approximately 10 minutes north of Dulles airport (IAD). There is information about the meeting on the twiki. Please let Annabelle and Tanya know if you plan on attending. You may still show up without advanced notice, but having information in advance makes it easier on the logistics for the meeting.

The first day of the meeting will be a full day, beginning promptly at 8:30am and going until approximately 5:30pm. Please be there a little early on Monday to check in. We will begin early again on Tuesday, but will end by 1 – 1:30pm.

We should have all of the public comments in from the first draft of NISTIR 7628 by the time of this meeting. We will focus the meeting on the submitted comments, the security requirements, the architecture, the privacy section, how best to present the Vulnerabilities and Bottom-up groups’ work, a preliminary discussion of the R and D agenda, and an initial assessment of standards. The participants will be divided into the various working groups for the meeting.

Comments on NISTIR 7628 Draft 1

Comments on the first draft of the NISTIR are being posted on the twiki as we get them. Topics covered in that comment should be evident from the file names used. Please check the list to make certain you have seen all comments regarding the areas you are working on/interested in. Currently, we have received only a few comments. The deadline is December 1, 2009 – so we assume that many comments will be submitted in the next few days.

Architecture Group

There are links on the twiki to each of the documents they are working on. They are nearing completion on their logical diagram for AMI, and are hoping to finish the HAN diagram in time for draft 2 of the NISTIR.

Bottom Up Group
This group’s main concern right now is getting a list of cross-references completed. They are also starting to work on design considerations material, which will include addressing cryptography and key management issues.

**High Level Requirements Group**

This group had a good discussion last week on the material they are working on. They are looking at the categories and constraints, and are getting several pieces of work looked over by the Vulnerabilities and Bottom-up groups.

**Privacy Group**

This group is creating a matrix showing the 6 categories of privacy impacts for the smart grid, along with showing mappings to the associated privacy issues/concerns, the personal information related to each, any applicable and existing laws and standards, and adding possible mitigating controls. All discussed during their meeting last week. They are also planning to put an overview of the privacy group work to date on the twiki, using the slides created for the Grid Interop presentation as a basis. The proposed organization privacy certification draft is (hopefully) being reviewed by group members, and they are incorporating a list of applicable laws/regulations/etc. into their work. No call this week for this group!

**R & D Group**

This group had its first call last week during Grid Interop. The group is considering how to parse discussion topics with two possibilities being considered. First, the discussion may be divided between Research-Oriented topics, which involve a high level of novelty, uncertainty, or risk, versus Development-Oriented topics, which entail a clearer path, but one not yet travelled. Both should be covered but it might be helpful to distinguish them. They can use their existing enumeration of security issues to identify areas where research ought to be carried out. Daniel sent around a sample of this approach where he has added columns on research required in cryptography, procedures, and authentication. They can provide short expositions of security concerns that lay out the problems in brief challenge statements. Some examples mentioned on the teleconference were: cross-domain analysis, security with real time constraints, outlier detection with intruders, remote attestation and intrusion detection for embedded processors, and cryptography for large numbers of small processors. The second possibility to divide discussion in another way: research on how to address security for current and legacy systems in a seamless and assured way versus research on significantly different architectures or approaches ("blue sky research"). They have had a discussion by email on whether IP can be secured. It is a near certainty that there will be both research on further steps to secure IP-based networking as well as visions for other types of networking that may address security issues with IP. We don’t need to pick between these now; it suffices to explain the case and agenda for each. Carl is going to try to match Daniel's proposed matrix with a few examples of short expositions as mentioned previously.
Standards Group
This group did not meet last week due to travel needs after Grid Interop. They are continuing their work of getting standards into their matrix.

Vulnerabilities Group
This group is working on how to put together a matrix for making their work more easily digestible by the people that will actually using it. Similar to the BU group, this is a challenge.

Next call: Monday, November 30th, 11am EST.
Call-in number: 866-745-6097  Participant passcode is: 7413006
Please remember to mute your phones when not speaking.