

# NIST 12.22.09 Smart Grid Privacy Subgroup meeting notes

Notes by Rebecca Herold

Please send distribution list any necessary corrections or additions.

Thanks to all of you participating and contributing in this group!

Next meeting: Tuesday, December 29 at 11:00am est

Here are my notes from Tuesday's meeting:

## 1. Reviewed timeline for getting next draft completed.

- **December 22 - January 3:** Actively communicate within the 4 teams to gather and update documentation
- **December 22:** Rescheduled weekly meeting
- **December 29:** Rescheduled weekly meeting
- **January 3:** Date to have above information gathered and documented
- **January 8:** Date to have above information edited and incorporated into next draft
- **January 8 - 15:** All group members actively review draft and provide comments and changes throughout
- **January 15th:** Date to have 2nd draft complete and ready for NIST's review

## 2. Action Items

- **Tanya:** Distribute emails of team members ***DONE***
- **Tanya:** Post most recent comments received that address privacy to the twiki (<http://collaborate.nist.gov/twiki-sggrid/bin/view/SmartGrid/CSCTGPrivacy>)
- **Team A:** Work on privacy impacts; report progress at Dec. 28 meeting. Each member, please take a few minutes to send at least one update, comment, or addition for your section between now and Dec. 28.
- **Team B:** Work on personal information descriptions/definitions; report progress at Dec. 28 meeting. Each member, please take a few minutes to send at least one update, comment, or addition for your section between now and Dec. 28.
- **Team C:** Work on best practices; report progress at Dec. 28 meeting. Each member, please take a few minutes to send at least one update, comment, or addition for your section between now and Dec. 28.
- **Team D:** Work on laws/regs/standards overview/discussion; report progress at Dec. 28 meeting. Each member, please take a few

minutes to send at least one update, comment, or addition for your section between now and Dec. 28.

- **Tanya & Rebecca:** Update opening sections of NIST and overall report formatting; report progress at Dec. 28 meeting
- **Tanya & Rebecca:** Formal disposition on comments/replies; finish.
- **Everyone:** If you want to participate in one or more of the teams and I do not have you documented, please let us know! Many were not on the call today, but we really want well-represented input, and your participation is valuable.

3. **Team A: Update the privacy impacts/concerns information** to include within the NISTIR

- See twiki at [http://collaborate.nist.gov/twiki-sggrid/pub/SmartGrid/CSCTGPrivacy/NIST\\_Smart\\_Grid\\_Privacy\\_Group\\_Dec\\_16\\_2009.xls](http://collaborate.nist.gov/twiki-sggrid/pub/SmartGrid/CSCTGPrivacy/NIST_Smart_Grid_Privacy_Group_Dec_16_2009.xls) , tab "**Privacy Impacts Matrix**").
- **We need to:**
  1. Expand upon the descriptions of the impacts.
  2. Document the corresponding information items that would be involved with, or cause, the impacts.
  3. Document where the information is obtained.
    1. Smart meters?
    2. Utility?
    3. Smart grid hardware vendor?
    4. Smart grid applications vendor?
    5. Entity outside of the smart grid? E.g., smart appliance manufacturer? Google/Microsoft/etc.? Other?
  4. Document how the risks of the impacts could be mitigated.
- Spend a little time between now and next week answering some of these questions.
- Volunteers so far include: Chris K, Tanya, Ward, Sarah, Mike C, Hovanes, Rebecca, Lee
- Tanya: will send emails to all team members. **DONE**
- All group members, send emails in next week with updates, additions or corrections to existing information to keep work progress going
- Look at impacts in overall high-level requirements group document in the twiki at [http://collaborate.nist.gov/twiki-sggrid/pub/SmartGrid/CSCTGHighLevelRequirements/Impact\\_Levels\\_12-17-09a.doc](http://collaborate.nist.gov/twiki-sggrid/pub/SmartGrid/CSCTGHighLevelRequirements/Impact_Levels_12-17-09a.doc) to ensure we are not leaving any of those out.

2. **Team B: Update and include personal information** descriptions and definitions and associated discussions

- See twiki at [http://collaborate.nist.gov/twiki-sggrid/pub/SmartGrid/CSCTGPrivacy/NIST Smart Grid Privacy Group Dec 16 2009.xls](http://collaborate.nist.gov/twiki-sggrid/pub/SmartGrid/CSCTGPrivacy/NIST_Smart_Grid_Privacy_Group_Dec_16_2009.xls), tab "**Smart Grid Personal Information**").

- **We need to:**

1. Clearly explain how the information items obtained from smart meters and throughout the smart grid are different from information traditionally considered as information that has been considered as "personally identifiable information."
2. Key point to make is that, because once a premises is attached to the smart grid it is always "online."
3. Individuals within the premises are passively contributing information to the smart grid; much different than using credit cards or the Internet, which generally require active participation.
4. Smart grid is unique from past considerations because by revealing the activities within a specific premises it can impact a group of people, not just an individual as has typically been considered for privacy concerns.
5. Document examples and how they can reveal personal information in ways different from other types of networks.
6. Notes from last meeting to keep in mind:

- We are not picking any one existing PII definition from any standard, law or regulation, but we are creating definitions to apply to our smart grid privacy group work and also to establish a basis of common understanding for all NISTIR readers and to harmonize comments.
- There is currently not a glossary for the full NISTIR, but there is a NIST glossary for IT terms\
- Be sure to clarify the "FIPS" and "FIPPS" issues.
- Others?

- Over the course of time usage can create signatures for a location or premises, and those issues need to be discussed. Along with profiling.
- Volunteers so far include: Jennifer U, Chris K, Brent S, Karen M, Tanya, Lillie, Rebecca
- All group members, send emails in next week with updates, additions or corrections to existing information to keep work progress going

**3. Team C: Review and update the proposed privacy best practices as the group finds necessary the to include within the NISTIR**

- See twiki [http://collaborate.nist.gov/twiki-sggrid/pub/SmartGrid/CSCTGPrivacy/NIST Smart Grid Privacy Group Dec 16 2009.xls](http://collaborate.nist.gov/twiki-sggrid/pub/SmartGrid/CSCTGPrivacy/NIST_Smart_Grid_Privacy_Group_Dec_16_2009.xls), tab "**Proposed Privacy Best Practices.**"
- **We need to:**
  1. Determine if each of these is feasible.
  2. Determine if there is anything missing, and then add it
  3. Reword in such a way to be most usable by utilities, state utilities commissions, lawmakers, etc.
- Volunteers so far include: Brent S, Karen M, Tanya, Jennifer U, Sarah, Lillie, Matthew G, Hovanes, Rebecca
- All group members, send emails in next week with updates, additions or corrections to existing information to keep work progress going

**4. Team D: Review and update documented laws, regulations and standards information**, as necessary, to include within the NISTIR

- See twiki [http://collaborate.nist.gov/twiki-sggrid/pub/SmartGrid/CSCTGPrivacy/NIST Smart Grid Privacy Group Dec 16 2009.xls](http://collaborate.nist.gov/twiki-sggrid/pub/SmartGrid/CSCTGPrivacy/NIST_Smart_Grid_Privacy_Group_Dec_16_2009.xls), tab "**Laws|Regs|Standards|etc.**"
- This is not meant to be an all-inclusive list, and should not be presented in such a way that it could be construed as legal advice.
- **We need to:**
  1. Make this a section that basically acknowledges that there are many different laws, regulations and standards that address privacy in some ways, but that the smart grid is creating new concerns, risks and issues that may not be addressed by them.
  2. Provide a high-level listing of the laws, regulations, and industry standards that cover/address personal information privacy and clearly point out how these laws may not protect privacy for the information within the smart grid.
  3. Reference the personal information discussion from Team B.
  4. Explain the unique issues that it would be beneficial for laws to cover to protect privacy in the smart grid (okay with NIST?)
  5. Provide the longer list of laws, regulations and standards within an appendix to accompany the report? (This addresses some of the comments received)
- Some state laws/regs may give some rights to property owners.
- Point to some of the work that has been done. Focus on the states that have done something, how it addresses the issues, and how they are not addressing the issues. Colorado & Texas? (Lillie will

look) Can Chris K & Stacia provide some info from the state utilities commissions and NARUC?

- Closest laws cover telecommunications.
- Volunteers so far to write this section include: Sarah, Stacia Harper, Chris K, Lillie, Tanya
- All group members, send emails in next week with updates, additions or corrections to existing information to keep work progress going

#### **5. Rework report introduction sections and general report structure.**

- Volunteers to do this include: Tanya, Rebecca
- Send emails between group members to keep work progress going

#### **6. Miscellaneous**

- Formal disposition on comments/replies. Still needs to be done.
- Extra late comments. Tanya will post the privacy-specific comments to the twiki.

#### **7. Dates/times for meeting during last two weeks of December**

- December 22 at 11:00am est
- December 29 at 11:00am est