

# March 18, 2010 NIST Smart Grid Privacy Subgroup Meeting Notes

Minutes by Rebecca Herold

Please send this distribution list any necessary corrections or additions.

Thanks to all of you participating and contributing your valuable time and resources to our group's work! We are a diverse group, with often differing viewpoints, but our collaboration and respectful consideration of all viewpoints will result in a much more valuable privacy chapter.

Next full group meeting:

**Thursday, March 25, 2010 at 11:00am est**

Here are my summary notes from yesterday's meeting:

## 1) Team 1: General Privacy Discussion

- Rebecca gave update on Team 1 work so far.
- Draft has been written and is being reviewed by team members
- Should be to point where we can send to full subgroup via the mail list in 1 – 2 weeks.
- For now, team communications are via direct email

## 2) Team 5: Definitions

- Rebecca also gave update on Team 5 work so far.
- Have privacy-related definitions drafted and are being reviewed by the team. Yes, they will include “private data” and “confidential data.”
- Should be to point where we can send to full subgroup via the mail list in 1 – 2 weeks.
- For now, team communications are via direct email.

## 3) Team 2: Legal & Regulatory

- Sarah gave an update on the Team 2 work so far.
- Weekly days/times for team meetings: Wednesdays at 11am eastern time
- Recognize that there will likely be access under some laws to meter data. Provide discussion around those issues.
- What about consumers plugging apps into the smart grid? Shouldn't there be standards/regs/laws specific to the protections that should be in place for these third parties? Some way for the apps to get access to what the requirements are? Data should carry with it interoperable requirements as it flows through the smart grid? What about obligations for protecting metadata?
- From an IEC technical standards organization view, at least ask standards group to provide that capability. That is a good idea.
- There are some of these in place now, but probably not in the IEC technical standards object models yet.

- Tanya: we can ask for these things and they wouldn't be infeasible? In past it was a technical issue NIST didn't include. But, it is now possible.
- Tagging it is feasible, but providing an envelope around the actual data to control access is another matter.
- Is expiration data feasible? Time allowed to live is already in the object model; common in power systems.
- Are there other obvious data items that would create better privacy decisions? Flagging packets as identifiable or not?
- But how can consent be put into the standards? Perhaps just another field?
- Expecting automated responses to that data will likely not be feasible.
- Data fields to carry relevant privacy impacting information to base decisions upon. Point is that when data is generated, it has associated with it data that indicates time to live.
- Tanya: Is this kind of tag something our group should send a formal note to one of the PAPs working on this?
- Yes PAPs 3, 10, 7 and 8 are who could benefit from this.
- Follow-up offline w/Annabelle.

#### **4) Team 3: Use Cases**

- Gail gave an update on the Team 3 work so far.
- Weekly meetings will be on Thursdays at 10:00am eastern time.
- Identified sources of existing use cases. Hovanes has been grouping and categorizing by the 7 domains in the architecture.
- Leaning towards using the 3rd set of use cases since they seem to impact privacy the most. Will pick top 5 to start with.
- Next step is to look at the use cases from the privacy perspectives, perhaps from the privacy principles. And consider the different data subjects.
- Looking at the ISTPA privacy reference model to make sure the overview of the use cases is complete.
- Can never identify all use cases, but will use work to date.

#### **5) Team 4: Expansion of Privacy Concerns and Issues**

- Weekly meetings are Wednesdays at 3:00pm eastern time.
- Utilities range in size from very small to very large. Should be some kind of stating and recognizing that small utilities may not need to address privacy in the same ways because of the differences in privacy risks that size results in.
- Eric (team lead) was not on call, so group discussed the types of issues we'd like to see Team 4 include in their work. They included expanding upon the following issues within the existing chapter verbiage:
  - Weighing the costs of privacy measures to the benefits.
  - As far as sizes are concerns, data practices may not be the same in small as in large utilities.
  - Wind farms and associates privacy issues.
  - Google term meter and how that data is used and stored.
  - Social media impacts; data that enters the smart grid from social media sites.
  - Other alternative energy sources, such as solar energy data, wind energy data, etc.

- Smart appliance data that gets into the smart grid through paths that do not include utilities.
- Sharing smart grid, and associated consumer and customer data, from more entities beyond the utilities.
- Third party access to smart grid resources and data.
- Law enforcement and government access to smart grid resources and data.
- Landlords/property owners getting to data of residence/inhabitants.
- National push for consumers to access their data.
- Smart grid data retention.

## 6) Miscellaneous

- Each team: Please be sure to refer to and use as appropriate Frances' table when doing your team work; see [http://collaborate.nist.gov/twiki-sggrid/pub/SmartGrid/CSCTGPrivacy/Data\\_Types\\_with\\_Possible\\_Privacy\\_Implications.doc](http://collaborate.nist.gov/twiki-sggrid/pub/SmartGrid/CSCTGPrivacy/Data_Types_with_Possible_Privacy_Implications.doc)

We look forward to hearing all your thoughts and views and seeing everyone participate in respectful debate on any issues where there may be differences of opinions.

We are a very diverse group, coming from many different perspectives, which is fantastic for our group's goal of creating feasible, practical, privacy suggestions that will be of most value...to consumers, utilities, vendors, and all others that are part of the Smart Grid...to all our privacy chapter readers! And, to those lawmakers and standards makers who will use our document in making strong policies and regulations.

As we are working on the next, final version, always keep in mind that we must be sure to frame the issues/concerns/etc. within the Smart Grid, and point out how they are unique to the Smart Grid. There **WILL** be data that is not unique to the Smart Grid (such as many different types of PII and other personal information), however there will be privacy concerns related to that information that **WILL** be unique to the Smart Grid, and we need to make sure we clearly explain them.

Thanks!

Rebecca