

SG-Network TF Conf Call Notes - DRAFT

Date/Time: 22Apr10, 2-3pm EST

Participants:

Matt Gillmore (chair)
Bill Godwin
Daniele Loffreda
David Cypher
Jerry Armes
Kendall Smith

Klaus Bender
Kuor Hsin Chang
Mark Van Wyhe
Rich Tolway
Ron Cunningham
Vincent Bommel

Note: others may have been on the call, but not logged into the web portion.

Agenda Items / Major Discussions:

Functional/Volumetric Requirements:

PrePay Use Case – Ron Cunningham provided status of rework of this use case. The changes being made includes: a) being compliant with the requirement documentation instructions; b) adding in the requirement detail rows for the customer's text, web, phone interactions with the utility; c) edits to other payloads requirement-sets from Meter Read and Service Switch.

DA Use Case – Bill Godwin provided status of documenting the DA use case. Reference to the updated diagram was included.

Discussed: a) clarifying how to delineate the multiple communication path scenarios illustrated in the diagram and the requirements table rows, so that data traffic modelers can use that information as it was intended. This includes understanding that the vast majority of payloads are concurrently in flight but dependent upon which communication path scenarios are deployed; b) clarifying what impact that DNPv3 or IEC 61850 have on the payload message size that are transmitted across the comm paths, and what exactly SG-Network needs to load into the requirements table;

It was agreed to:

- update the diagram with enough data flows to assist in documenting the DA use cases requirements
- state explicitly what DA protocol(s) are used in the assumption when preparing the use cases e.g. DNPv3, IEC 61850, and continue to focus on documenting application payload sizes.

Face-to-face Agenda – Matt Gillmore lead to the group through identifying a tentative set of agenda points and on which days/sessions and potential of running concurrent work sessions (dependent upon who will be available, in person or via conf call). Agenda will be finalized week of 26Apr10.

Q/A Process and Format – Daniele Loffreda discussed progress on gathering objectives, probable approaches to implementing the process. Daniele will continue to work with those who receive and respond to the questions, to finalize that process and work with the website administrators to make effective use of what's available.

Requirements Table Documentation Instructions – Ron Cunningham summarized

draft instructions.

SG-Network website Cleanup – Matt Gillmore described some of the cleanup he performed on the website. More is still needed.

PAP 15 use case Requirement Needs – Matt Gillmore described a request from PAP 15 for payload volumetric data especially for the in-premise network for PLC PAP 15 work tasks.

Note: checkout the ToDos for other updates that were mentioned in the conference call.

To-Do's

1. **SG-Net Diagram content** – a) feedback is needed on whether or not to include the actor “Enterprise Bus / Integration Layer” actor; b) need to update for data flows to assist in preparing DA use case requirements.
2. **Functional/Volumetrics database** – the face-to-face will have a session focused on working out the details on the database requirements, schema design, data load, user interface and any prebuilt queries, and build.
3. **NISTIR 7628 Actors, Data/Message Flows, LICs, C/I/As** – SG-Net to provide feedback to NIST concerning revising the NISTIR actors, data/message flows, LICs, C/I/As to better match utility SG architectures/designs and deployments and payload details. SG-Network participants are asked to provide any feedback (not general statements, but specific content changes) back to at least Matt Gillmore so a federated response from SG-Network can be prepared and sent back to NISTIR 7628 by the **extended due date 01Jun10**.
4. **PAP 1 & 2 Deliverable(s) Release 2 Revisions** – Matt Gillmore to scan the Meter Read, Service Switch, and PHEV use cases for consistent inclusion of error and other management payloads.
5. **PAP 1 & 2 Deliverable(s) Release 3 potential use cases** – the next priority set of use cases requirements draft potentials:
 - a HAN (plus those for PLC technology consideration) – Matt Gillmore and Don Sturek to reach out to ASHRAE(?) and SAE(?) for their current use case documentation for incorporating into functional/volumetrics requirements deliverables.
 - b DA, divided into sub use cases: Bill Godwin, Bill Cloutier, Ron Cunningham
 1. Volt VAR control (Bill Godwin to create 1st draft)
 2. line/segment isolation on fault
 3. Distribution level DER
 - c Meter Events – David Pilon
 - d Outage Events – Michael Northern
 - e PrePay – Ron Cunningham – will have draft ready by Thursday 29Apr10
6. **02-04Feb10 Face-to-Face Notes** – need to prepare and post session(s) notes.
7. **PAP 2 “Guidelines for Wireless Use in the Smart Grid” TOC** – all are to review the draft TOC and provide Matt Gillmore with feedback to be forwarded to PAP 2 for consideration for inclusion.
8. **Deliverables Q/A Process and Format** - Daniele Loffreda will continue to work with those who receive and respond to the questions, to finalize the process/form and work with the website administrators to make effective use of what's available. A portion of the face-to-face sessions will address the current state of this effort.

9. **Requirements Style Guidelines / Template** – Matt Gillmore to prepare his thoughts on what this looks like and how the future database would address some of this. [Ron Cunningham](#) will use feedback received by EOD Friday 23Apr10, to finalized the instructions and post on the website for all to use for current/future requirements documentation.
10. **Meter Events** – [David Pilon](#) continues to work on documenting the requirements.
11. **Modeling for protocols above layer 2** – [David Cypher](#) will share a spread sheet from another body of work that dealt with applications, intervening layers (choices) and a particular wireless technology. Intent is to improve understanding in the volumetrics documentation effort.
12. **PAP 15 use case Requirement Needs** – [Vincent Bommel](#) will scan through PHEV use case materials to tag requirements that might be appropriate for PAP 15.

Next Working Session / Conf Call(s): Thursday 29Apr10 2-3pm EDT
URL <https://www2.gotomeeting.com/join/964616387>

Use microphone and speakers (if using VoIP) - a USB microphone/headset is recommended.
Or, call in using your telephone.

Dial 914-339-0014
Access Code: 964-616-387
Audio PIN: Shown after joining the meeting

Meeting ID: 964-616-387