SG-Network TF Conf Call Notes - DRAFT

Date/Time: 08Apr10, 2-3pm EST, **audio only**
Participants:

Ron Cunningham (facilitated)	Dennis Brewer
Bill Godwin	Kuor Hsin Chang
Daniele Loffreda	Vincent Bemmel
David Cypher	

Agenda Items / Major Discussions:

Functional/Volumetric Requirements:

PrePay Use Case – Ron Cunningham walked through the current draft of the PrePay requirements spreadsheet, calling out the major edits underway e.g.:

- inclusion of Service Switch payloads and Meter Read on-demand payloads with the "how often" values qualified to just those that are PrePay customer meters
- correcting those Service Switch and Meter Read requirements to address previous feedback concerning missing requirement rows for both parent dataflow rows or detailed actor-to-actor dataflows and making the requirement text syntax read consistently for the originating actor and those intermediary actors that process and forward the payloads
- restructuring the remaining payloads per current requirement documentation expectations (~25 expected in total for PrePay that will create ~200-250 requirement rows)
- reminded everyone of how the requirements table content was intended to be consumed e.g. that the rows play out in a minimal format all of the optional dataflows (and associated comm paths) that typical deployments might use. For the CIS ↔ Smart Meter, the diagram identifies 6 different scenarios, and not all of the rows for a payload set get used for a specific scenario. This directly impacts how that data is used to load into any network traffic modeling effort.

Discussed: a) what might be done (if any) to further clarify to the consumer of the table content, the correct usage; b) what changes (if any) needed in the current requirements table to address (a) needs; c) what was needed to make it easier for the creator of new use case requirements to correctly document those requirements in the table; d) and what value the proposed SG-Network requirements database is expected to bring to both the creation of new content and consumption of the content

It was agreed to:

- a style sheet-guideline / template is definitely needed and press to get that created
- to add more how to interpret and consume the requirements content into the next release text documentation

DA Use Case – Bill Goodwin discussed his current progress and concern for expected requirements volume and the tedious nature of creating the requirement rows in the spreadsheet. Discussed: a) the new actor set and draft diagram replacement for the Distribution domain and network representation; b) how much of the various DA use

cases were expected to be done for the next face-to-face meeting in May.

It was agreed to:
- at least prepare one DA use case for release by the May face-to-face meeting

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) the proposed replacement for the Distribution domain actors, networks and comm paths section of the master diagram will be email to SG-Network distribution,. Bill Godwin and Ron are requesting feedback prior to merging that into the master diagram.
2. **Functional/Volumetrics database** – need to re-activate the database design work since the content/structure of the requirements table has stabilized with inclusion of the security "C/I/A" attributes by payload.
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
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 needs some key questions addressed to help focus in what the process and format. Danielle sent these questions to Matt Gillmore, Ron Cunningham, Bill Godwin, Vincent Brummel to address.
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 prepare a draft of a style sheet-guideline/template for the

requirements table.
10. **Non-Meter Events/Alerts** - Vincent Bemmel emailed out his scan through the "other" event/alert payloads and prepared a draft categorization to the current set of use cases SG-Network is preparing. Feedback is requested.

Next Working Session / Conf Call(s): Thursday 15Apr10 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