

SG-Network TF Conf Call Notes - DRAFT

Date/Time: 15Apr10, 2-3pm EST

Participants:

Matt Gillmore (chair)	Kelly Flowers
Bill Godwin	Kuor Hsin Chang
Daniele Loffreda	Mark Van Wyhe
David Cypher	Paul Duffy
David Gosch	Phillip Smith
David Pilon	Rich Tolway
Dennis Brewer	Ron Cunningham
Don Sturek	Vincent Bommel
John Buffington	

Agenda Items / Major Discussions:

Functional/Volumetric Requirements:

DA Use Case – Ron Cunningham summarized the proposed changes to the diagram for the Transmission and Distribution domains to be account for the additional actors and communication paths for DA use case requirements documentation. Bill Goodwin discussed his current progress on documenting up both use case actor to actor requirements and volumetrics.

Discussed: a) how to deal with protocol ACK traffic versus application ACK traffic; b) normalizing actor names from an an engineering precise labeling versus abstracted generic architectural perspective; c) how to deal uses cases that have different volumetrics between normal, storm and load reduction scenarios.

It was agreed to:

- not include protocol ACK traffic as that is not application level payloads and is dependent upon the specific lower lever protocols to be used
- capture as separate footnoted entries in the “How Often” for payload quantities/frequencies during normal, storm, and load reduction scenarios
- do ahead and merge the proposed changes for the Transmission and Distribution diagram into the master diagram

Requirements Table Documentation Instructions – Ron Cunningham summarized draft instructions and requested feedback from the group (in addition to David Cypher's feedback), so that a authors of the use case requirements would have a common base to work from.

SG-Network Deliverables to PAP 1 & 2 – Discussed: Matt Gillmore's take on how the group was progressing to meet the deliverables needed especially by PAP 2. Matt indicated that SG-Network will have some additional use cases to discuss at the face-to-face meeting and noted that considerable work ends up happening at the face-to-face meetings. David Cypher reminded us that the PAP 2 Guidelines draft release is due out by the end of June.

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 & Transmission domain actors, networks and comm paths will be merged into the master by Ron Cunningham.
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. Ron Cunningham provide his perspective on Q/A process and format perspective.
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 prepared a draft of a requirements documentation instructions and will reissue draft based on followup discussions with David Cypher. Others are requested to either test out or provide feedback on the instructions. It is anticipated that the majority of the instructions should find there way into the database as either input validation requirements and need for additional tables and attribute fields.
10. **Non-Meter Events/Alerts** - Vincent Bommel 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.

11. **Meter Events** – David Pilon requested assistance on preparing the requirements documentation. Matt Gillmore will provide OJT to David on preparing that documentation.

Next Working Session / Conf Call(s): Thursday 22Apr10 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.

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