

## SG-Network TF Conf Call Notes - DRAFT

**Date/Time:** 02May2011, 2-3pm eastern

**Participants:**

Matt Gillmore (chair)	Jerry Armes
Ron Cunningham (vice-chair)	John Buffington
Bruce Kraemer	Jojeta Jetcheva
Don Sturek	Michael Northern
Doug Gray	

Note: others may have been on the call, but the note taker did not catch names.

**Agenda Items / Major Discussions:**

**SRS Status / Update** – Matt provided the list of SRS section 3 assigned content providers from the San Francisco face2face work sessions, see below. Once the Requirements Table gets to a reasonable stable state e.g. adding the additional payloads mentioned in the following section, then focus will turn to completing the SRS. SRS sect 3 headings and contributors:

- Meter reading - Matt
- System Events - Kelly
- Electric Transportation / PHEV - Jerry
- Energy Storage -
- Prepayment - Mark
- Outage and Restoration Mgmt - Kory
- Demand Response & Consumer Energy Efficiency - Vincent, Larry, Jorjetta
- Distribution Grid Mgmt -

**PAP2 – next steps update/status** – Ron summarized the work todate:

- identified current set of voting members
- 1<sup>st</sup> ballot vote in progress on work group operating procedures
- density category characterizations matrix, using assessments from Census Bureau Tracts, Places, MSA, PMSA data. Additional work needed to finalize the density category definitions and gain census on the baseline set of data used for the characterizations matrix.
- propagation models assessments, extension and need to find for <1GHz
- proposal on the framework (workplan and approach), to use the gathered information to prepare the proposed guidance on use of wireless in the smart grid (the extended work deliverable). Ron will discuss at the 12May2011 PAP2 conference call.

Matt asked about the status of the “Last Mile” spectrum analysis and how that fit in with the PAP2 work. Don indicated that they were related, but in an attempt to not duplicate effort between the two, Don would prepare a statement clarifying the scope/timing he thought exists between the two efforts. Jerry also indicated that the spectrum needs assessment database (drawing on Census Bureau county, tract data, along with other spectrum modeling information is being prepared and will be discussed at the mid May UTC meeting. Jerry will make the

slide deck and db available for someone to do a draft run through for the next SG Network TF conference call.

**Requirements Table draft1b for r5.0** – Ron raised a couple of questions concerning the feeder device firmware/program update payloads and how the programs relate to the DSDR and Volt-Var-Control Use case “new configuration” payloads. Specifically:

- device controller firmware – how often e.g. once every 3 years versus earlier statement of annually
- device controller programs differ how from controller configuration payloads
- device controller configuration payloads how often e.g. once at initial setup then at most once or twice during the year versus the weekly/hourly how often stated in the DSDR and Volt-Var-Control use cases
- frequency of the
- were the DSDR and Volt-Var-Control use cases the right ones to contain the device controller configuration payloads versus the Firmware/Program Update use case

Agreements and Action Items:

- keep the device controller configuration payloads in the DSDR and Volt-Var-Control use cases and add in the missing feeder switch new configuration payloads
- configuration (parameters), is a different payload from device programs as the programs utilize the information feed to it via an upstream application requesting the program to take an action as constrained by the device configuration data, or the local application program uses the configuration data to perform it's own self initiated actions as constrained by the configuration parameters
- Ron will make a best estimate for the firmware and program “how often” values in the Requirements Table, THEN the SRS section authors will need to add in an appropriate paragraph explaining the value and how that may vary based on how the distribution application and devices are maintained/configured. This includes accounting for changes to the device controller for e.g. security patching/updating.

**New Payload descriptions, attributes, LICs, C-I-As, rationale** – Matt asked if anyone was willing to step forward and work of the needed details on the new payloads that have been added. Hearing none, Matt and Ron walked the group through drafting up the payload attributes and C-I-A risk values for 20 of the payloads. An additional set of 10 firmware/program/configuration payloads for the feeder devices still need to be documented.

Action Items:

- Ron will take the base set of information gathered in this work session and complete the other payload fields of information and post that out on the SG Network TF web pages. Further vetting can proceed from that draft.

**To-Do's** (description, lead person, [current update](#))

- I. **System Requirements Specifications** – normalize to other OpenSG SRS documents in style, target audience, and adding new use case content:
  - Comment/feedback template - Matt will send notification out to several groups to start using the template after performing some additional vetting of the process and

template to a few testers.

- o SRS section 3 editors/reviewers – Need to continue to provide content.
- o Actor Normalization (Andy Bordine) - sub-group to provide recommendations with primary focus on distribution actors with intent of establishing or reusing a good categorization of especially DA actors, but decompose a category only as needed to clarify documentation of use case business functional and volumetric requirements. Andy to work with Ron on the objectives and deliverables of this effort. Consider collaborating with Doug Houseman.

## II. Requirements Table - Release 5.0 potential use cases – the next priority set of use cases requirements draft potentials (see below for partial list).

### A. “Reqmts-Combined” tab

#### i. proposed for release 5.0

- a) scan & remedy for QA/QC items
- b) add payload requirements for the Feeder device firmware/program updates to the existing Firmware/Program Update use case (Ron)
- c) add 2 payloads for configuration update cmd & ack to both the DSDR and Volt-Var-Control use cases for the feeder switch (Ron)
- d) PHEV and PrePay - add follow the money payload rqmts
- e) Security payload overhead - addtl volumetrics (?)
- f) Security Key Exchange add payload rqmts
- g) Distributed DA Maint, DSDR, Volt / Var control use case rqmts
- h) Configuration Mgmt - add use case(?) and payload rqmts
- i) HAN (plus those for PLC technology consideration)

### B. “Payload attrib LIC CIA rtnl” tab

#### i. proposed for release 5.0

- a) document up the additional payloads description, attributes, and if applicable security LIC, C-I-A, and rationale per the established criteria/patterns in the other payloads. (Ron)

## III. Functional/Volumetrics database (Jerry Armes, Klaus Bender, Kelly Flowers, Matt Gillmore, David Gosch, Ron Cunningham) – [Consider removing the charting capability as currently coded to allow upgrading to Microsoft Access 2007/2010 versions.](#)

### Next Working Session / Conf Call(s):

Tuesday 12May2011 2:30-3:30pm eastern – PAP2

Monday 09May2011 2-3pm eastern – normal SG Network TF weekly call

URL <https://www2.gotomeeting.com/join/738908066>

Use microphone and speakers (if using VoIP) - a USB microphone/headset is recommended. Or, call in using your telephone. **Mute phone when not in the conversation.**

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