

SG-Network TF Conf Call Notes - DRAFT

Date/Time: 28Feb2011, 2-3pm eastern

Participants:

Matt Gillmore (chair)	Kelly Flowers
Ron Cunningham (vice-chair)	Michael Northern
Bill Godwin	Mike Corbett
David Gosch	Mohammad Shakouri
Derek Flickinger	Rich Tolway
Doug Gray	Sandy Bacik
Jorjeta Jetcheva	Vincent Bommel
Juan Oliver	

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

Agenda Items / Major Discussions:

Face-to-Face SG Network Agenda – Matt facilitated the development of the agenda for the 07-10Mar2011 work sessions, see below. For those participating remotely, the OpenSG conference organizers are to publish out the conf call/webinar credentials. Please check the conference webpages.

- ▲ Monday 07Mar2011
 - 3-5pm - SG Communications Boot Camp
- ▲ Tuesday 08Mar
 - 10:30am-noon - SG Communications
 - “Last Mile” spectrum assessment
 - 1-3pm - SG Network joint session with SG Security
 - SG Network Payload C-I-As and mapping to LICs
 - 3:30-5:30pm - SG Network
 - Vetting Requirement Table updates
- ▲ Wednesday 09Mar
 - 8-10am – SG Network
 - Vetting Requirement Table updates (cont'd)
 - 10:30am-noon - SG Network
 - Requirements Database updates
 - 1-3pm - SG Network
 - Vetting SRS
 - 3:30-5:30pm - SG Network
 - Vetting SRS (cont'd) + any other business
- ▲ Thursday 10Mar
 - 8-10am – SG Communications joint session with PAP 2
 - PAP 2 next steps
 - 10:30am-noon – SG Communications joint session with PAP 2
- ▲ other network related efforts:
 - Network Interop Tuesday 1-3pm 08Mar2011
 - new OpenSG Simulation Wednesday 10:30-noon 09Mar2011

Payload Descriptions – LICs, C-I-As, Rationale – Ron indicated that additional effort is needed to finalize the syncing of payload C-I-A risk levels with the textual C-I-A rationale. The majority of that task is test does substantiate risk levels. For many of the payloads, the scale of actors/entities impacted will drive to some of the serious (M) or severe/catastrophic (H) values and that language is being added in.

Ron requested CSWG representative(s) to respond back to his 08Feb2011 email to continue the work on vetting the payload mapping to NISTIR 7628 LICs. Sandy Bacik stated she would review and respond to that in time for the face-to-face meeting.

Requirements Table – Update/Status – Ron summarized the changes represented in draft8 (current row count 3730), which included:

- ⤴ comparison against draft5 (03Nov2011 - used in last formal vetting) was performed and cells that had changed, all the cell text was marked in red, once vetted the color will be changed to black
- ⤴ addressed more of the previous work wip flagged use cases and requirements for meter splits, use of the 3 ESI's, and other QA items
- ⤴ identified in Ron's 28Feb2011 email what addition work was needed (see the revised ToDo item below).

It was also mentioned that David Gosch and Juan Oliver have started investigating using textual output of the VISIO reference diagram and preparing macros to create content with which to validate the Requirement Table data flows and the actors called out in the Requirement tables. Additional discussions with Ron are planned with results to be discussed at the face-to-face meeting.

SRS – Update/Status – Matt summarized his departing section 3 into separate document file sections for allowing others to take ownership and update the content and material. Matt will post these section documents to the SRS-wip folder later this week. The sections that Matt separated out includes:

- ⤴ Meter Reading
- ⤴ Demand Response
- ⤴ Distribution Grid Management
- ⤴ Electric Transportation
- ⤴ Energy Storage
- ⤴ Wide Area Situational Awareness
- ⤴ Pricing
- ⤴ Meter Events
- ⤴ Security
- ⤴ Prepayment

Customer Density / PAP 2 Scenarios –

“Last Mile +” Spectrum Needs and Characterization – Matt shared some statistics on meter densities based on a 1 square mile grid and asked how that type of information might have use in the data gathering survey from which to feed into the utilities spectrum need analysis. Ron also indicated that from the PAP 2 next steps discussions 25Feb2011, he agreed to draft a deployment scenario to see what data would be needed from the utilities and wireless standard groups. The intent would be to run through wireless model(s) to determine if that specific wireless standard

(coupled with specific spectrum range(s)), would satisfy the scenario smart grid needs.

Next Action Steps:

- ▲ Further face-to-Face discussions are anticipated on potential of merging these two data gathering needs together.

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.
 - core SRS editors/reviewers (Matt Gillmore, Klaus Bender, John Buffington, Ron Cunningham, Vincent Bommel) – Need to continue to provide content especially for section 3. Target is to complete SRS by end of Mar2011.
 - 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 4.1 or 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 4.1
 - a) DR-DLC - add reqmts for additional actors and use of ESIs (Ron)
 - b) Premise Network Admin - add meter splits, use of addtl ESIs and reqmts for specific HAN devices (Ron)
 - c) Firmware / Program Update - add meter splits, use of addtl ESIs (Ron)
 - d) scan & remedy for QA/QC items
 - e) add 2 payloads for configuration update cmd & ack to a Distribution use case
 - ii. proposed for potential 4.1 otherwise 5.0
 - a) PHEV and PrePay - add follow the money payload reqmts
 - b) Security payload overhead - addtl volumetrics (?)
 - c) Security Key Exchange add payload reqmts
 - iii. proposed for 5.0 (e.g. new use cases & payload reqmts)
 - a) Distributed DA Maint, DSDR, Volt / Var control use case reqmts
 - b) Pricing TOU, RTP, CPP - add use case and payload reqmts
 - c) Configuration Mgmt - add use case(?) and payload reqmts
 - d) HAN (plus those for PLC technology consideration)
 - B. “Payload attrib LIC CIA rtnl” tab
 - i. proposed for release 4.1
 - a) modify/sync Payload C-I-A with C-I-A rationale (Ron with SG Network-security-CSWG)
- III. **Functional/Volumetrics database (Jerry Armes, Klaus Bender, Kelly Flowers, Matt Gillmore, David Gosch, Ron Cunningham)** – [Jerry is performing some additional review and tweaking of some query and parsing code to better extract](#)

usable data for assist in quantifying smart grid application network traffic needs as input into the spectrum needs for the utilities work effort.

Next Working Session / Conf Call(s):

Tuesday 08Mar-09Mar2011- face-to-face)

Monday 21Mar2011 2-3pm eastern.

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.**

Dial **714-551-0021**

Access Code: **738-908-066**