

SG-Network TF Conf Call Notes - DRAFT

Date/Time: 18Oct10, 2-3pm EDT

Participants:

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|-----------------------------|------------------|
| Matt Gillmore (chair) | John Lampe |
| Ron Cunningham (vice-chair) | Jorjeta Jetcheva |
| Bill Godwin | Juan Oliver |
| David Cypher | Kelly Flowers |
| David Gosch | Klaus Bender |
| Don Sturek | Kuor Hsin Chang |
| George Cosio | Mark Van Wyhe |
| Gwen Durrill | Raj Iyengar |
| Jerry Armes | Rich Tolway |
| Jon Buffington | Sandy Bacik |
| John Geiger | Vincent Bommel |

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

Agenda Items / Major Discussions:

Network Centric view – John Buffington observed that not all of the content concerning the “network centric” view made it into the latest draft of the PAP 2 guidelines draft and was wondering whether or not there was value in pressing forward on any more work on this topic. Matt indicated that the network centric topic would fit into the SRS, but that the focus on the moment is to get the requirements documented and then address the network centric topic with the requirements being able to available for use. It was also noted that the Requirements Database has included in-scope and planning the ability to select/extract requirements that pertain to a specific network cloud, and that help would be appreciated in getting that work accomplished.

Gas & Water Meter Payloads – Ron requested some specific feedback on what use cases and payloads business requirements that may have been called out referencing the Smart Meter or ESI – Smart Meter or 2-Way Meter, apply to the gas and/or water meters. Ron proposed that if no specific business requirements that use the non qualified actors mentioned earlier, that those would be defined as applying ONLY to the electric meters. Matt lead the group in how the spreadsheet tab that Ron provided earlier could be used to capture those water and gas meter business requirements.

It was agreed to:

- Matt agreed to perform a 1st draft of his interpretation of the gas and water use case payloads and share that out to several people whom agreed to assess the gas & water business requirements and provide that back to the group at the next conference call.

Payload Attributes for CIA Vetting Purposes – Ron summarized a few points from a conference call last Friday with OpenSG Security, SG Network, CSWG, and PAP 2 leadership and key contributors concerning the current state of NIST vetting the SG Network security LIC and C-I-A risk values against NISTIR 7628. One of the outcomes from that call was the refocusing upon the payloads versus all the actor-to-actor parent rows AND that SG Network is to document up the payload typical (illustrative) data

attributes (data elements, fields) to be used to help substantiate specific C-I-A risk level value assignments. Matt walked through what some of those payload attributes might be and how this request can be satisfied.

It was agreed to:

- Matt and Ron would make a first pass through the Payloads (specially the cmd and acks for the data elements), and send that version out to at least the utilities to further research and identify the resp-data, alerts, alarms payload types data elements. Results would be reviewed at next weeks conference call.

Spectrum Analysis – Jerry and Klaus summarized the progress todate on updating the analysis that includes: a few tweaks to the 1800 MHz section; added a short section on the 700Mhz D block; and a section on 14Ghz spectrum that is also used by VSAT for uplink; adding in some discussion by typical deployment radio-to-radio potential site separation and densities. Jerry was anticipating getting the next draft ready for another review by first of next week. Discussed: what was needed to help make the case that the utilities needed xMHz of spectrum for Smart Grid. Was this driven by the documented requirements and deployment topographies and environmental more that what spectrum was available with what operating characteristics.

It was agreed to:

- SG Network address this sooner than later, and to schedule up a work session (including at face-to-face meeting) to a focused set of participants to work through these points.

PAP15 Requirements – Don summarized current state of the updating to the slide deck and noted the need to account for those requirements that have yet to be documented. Input from SAE on business requirements is expected. Others in the SG Communications and SG Network TF email group are requested to provide their feedback back to Don. Matt and Ron felt that the next release of the Requirements Table would help fill some of those HAN payload requirement voids noted to date. May try and schedule time at face-to-face to help address the voids and provided feedback.

Items not addressed due to time: SRS; Requirement Table.

Note: checkout the ToDos for other updates that were mentioned in the conference call or provided to Matt or Ron.

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

1. **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, George Cosio, Klaus Bender, John Buffington, Ron Cunningham, Kelly Flowers, Vincent Bemmell) – [Matt will update the Meter Reading example template based on the needed content changes based on the Requirements Table summarized spreadsheet and use case scenarios assessment, and make that available to the group. Next draft for vetting is planned](#)

- for 01-04Nov10 face-to-face meeting.
 - 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..
- 2. **SG-Network Deliverable(s) Release 5/6 potential use cases** – the next priority set of use cases requirements draft potentials (see below for partial list).
 - Updated use case and targeted release table – release 4.1 vetting planned for 01-04Nov10 face-to-face meeting if not before.
 - Release 4.0 errors – to be resolved in release 4.1
 - Scan Previous use case requirements for consistent inclusion of error and other management payloads and prepare needed payload requirement sets (Mike Corbett) Additional payloads have been drafted for the Premise Network Admin use case. Other use cases are being investigated.
 - 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. Dealing with document terms of use and access points.
 - DA, divided into sub use cases:
 - Additional comm-paths added to already documented sub-use cases (Ron Cunningham) target for release 4.1
 - Dispatch Distributed Storage (Ron Cunningham) added island messaging to customer has been included in draft4 for release 4.1
 - DA Maint, DSDR, Volt / Var – Distributed (Bill Godwin, Andy Bordine, Ron Cunningham) targeted for release 5.0
 - Outage Mgmt (Matt Gillmore) add payloads for ultimate consuming actors of outage information targeted for release 4.1
 - PHEV (Ron Cunningham & Vincent Bommel) add “follow the money” payloads and others as extracted from SAE, targeted for release 4.1.
 - PrePay (Ron Cunningham) add “follow the money” & SMS text & email payloads targeted for release 4.1
 - Pricing – TOU, RTP, CPP (Vincent Bommel & Ron Cunningham) – add in the pricing payloads, targeted for release 5.0
 - Configuration Mgmt (tbd) targeted for release tbd
 - Security key exchange – need to add payload, request NIST to provide best practices, from that the “How Often” will be prepared, targeted for release tbd
- 3. **Functional/Volumetrics database (Jerry Armes, Klaus Bender, Kelly Flowers, Matt Gillmore, David Gosch, Ron Cunningham)** – working on comm-path and multi-actor parsing routine, network traffic hourly view, comm-path election, user profile and variable/scaling parameter presentment.
- 4. **Analysis of 1800 MHz band for Smart Grid** – Need to schedule up a focus group working session to further link the utility business requirements and deployment topologies issues to a specific amount of xMHz spectrum from available spectrum bands.
- 5. **SG-Network Website Cleanup & Archiving** – Matt , Ron, Don to perform some

website content and folder cleanup to make it easier to locate and find content. This includes potential relocating the content from the SG Communications home page to the specific SG Network TF webpage.

6. **Deliverables Q/A Process and Format** – Implementation of Q&A process on hold pending completion of other higher priority tasks.

Next Working Session / Conf Call(s):

Monday 25Oct10 2-3pm EDT

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**