

## SG-Network TF Conf Call Notes - DRAFT

**Date/Time:** 21Feb2011, 2-3pm eastern

**Participants:**

Matt Gillmore (chair)	Don Sturek
Ron Cunningham (vice-chair)	Doug Gray
Bill Godwin	Jerry Armes
Cheong Siew	Jorjeta Jetcheva
David Gosch	Juan Oliver
Derek Flickinger	Mark Thompson

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

**Agenda Items / Major Discussions:**

**Payload Descriptions – LICs, C-I-As, Rationale** – Matt queried the participants if there were any additional changes or feedback on the payload C-I-As. Hearing no significant concerns, the C-I-As that Bill Godwin proposed for change in the Distribution domain would be changed in the current working version of the document.

Ron reiterated that the payload mapping to LICs still is not complete and requires more work with CSWG representatives.

Next Action Steps:

- Ron would make the changes as noted above and include those in the next version of the Requirements Table wip and separately in the payload wip artifact that would be shared with OpenSG network-security email distribution and those from CSWG actively working on that document.

**Requirements Table – Update/Status** – Ron summarized the changes between draft7 and draft7a (current row count 3171):

- global change to Rqmt Ref to left fill the numeric portion of the field with 0's, rationale: makes is simpler to use spreadsheet capabilities to add/increment entries for new requirement rows
- Meter Read use case requirements updated for meter splits between electric, gas, water and inclusion of 3<sup>rd</sup> ESI alternative, transition away from use of the term Smart Meter, addressing payload size range and interpretation with which values applies to what scenario, addressing requirements for on-demand meter read request comm-errors by IHD and Cust, EMS, other general QA of the requirements
- flagged parent rows Rqmt Ref cell that require additional work for: identifying additional alternative comm paths including use of 3 ESI options, data flow re fences, meter splits, removing Smart x references

Additional requirements and edits are as summarized in the ToDo's section below and in the SG Network TF task list spreadsheet. More updates will be reviewed next conf call and also during the face-to-face work session(s). Ron also needed to understand what Distribution Domain use case that the 2 additional payloads e.g. "configuration update cmd and ack" for the Feeder Switch need to be associated. Follow-up with

others needed. Target is to have the next release ready by end of March and have it also syn with the SRS and Requirements Database, Reference Diagram(s). Discussed what assistance from others in the TF to get the Requirements Table ta-done e.g.:

- contributing additional payload requirements – understand the reference diagram data flows (and alternative comm-paths), documentation instructions and how to steps, have available use case action steps and extrapolating that to payloads and actor to actor requirements/volumetrics
- validating what is believed to be documented correctly especially the data flows and actors and alternative comm-paths as depicted in the reference diagram, the parent row pseudo code and the child row entries with the correct from to actor references
- what capabilities exist to take the VISIO diagram information and create a textual capture of the data flows as an attempt to use to validate against the Requirements Table data flow references. Ron indicated that the data flows are not tied to all of the graphic actor representations, the exceptions are just the originating and terminating actors, none or very very few of the intermediary networks or actor to actor or actor to network interfaces.

#### Next Action Steps:

- David Gosch and Juan Oliver would investigate being able to prepare a textual output of the data flows and actors from the latest VISIO of the reference diagram. [\[Ron posted the r0.6h VISIO file to the SG Network TF work-in-progress diagrams-wip folder 21 Feb2011\].](#)

**SRS – Update/Status** – Matt showed the current state of the SRS with additional edits that Andy Bordine had performed in the Distribution Domain use case section. Matt also asked of the call participants how could the effort be turned so that others could/would contribute to updating and completing the SRS. A couple of people offered their assistance.

#### Next Action Steps:

- Matt would perform a few more edits then separate the SRS out into separate section documents that could be edited by others willing to work on that section.
- Matt would also make sure to capture the changes made in the Requirements Documentation Instructions (proposed v1.2) to update the associated SRS section.

#### **Customer Density / PAP 2 Scenarios –**

**“Last Mile +” Spectrum Needs and Characterization** – Matt indicated that he was not ready to show a draft of the data gathering template/survey and asked if others would work on that task. Jerry Armes indicated that this work item may be worthy of a work session at the face-to-face, as current work loads priorities were keeping others from working on it at the moment. Matt thought that was a good idea.

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

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, Klaus Bender, John Buffington, Ron Cunningham, Vincent Bemmell) – 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.
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 – continue to review and comment on release 4.1 draft7, and continue to complete the remaining documentation for the next release.
  - Scan Previous use case requirements for consistent inclusion of error and other management payloads and prepare needed payload requirement sets (Mike Corbett) 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
    - DA Maint, DSDR, Volt / Var – Distributed (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 Bemmell) 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 Bemmell & Ron Cunningham) – add in the pricing payloads, targeted for release 5.0
  - Configuration Mgmt (Kory Fifield) targeted for release tbd. Matt to follow-up on this.
  - Security key exchange – Need to add payload, Matt will send inquiry out to group on what the appropriate “How Often” should be, targeted for release tbd
  - Payload Implications, LIC, CIA vetting – [continue to document the implications and work with the network-security sub team to vet payload LICs and C-I-A values based on the application payloads](#)
3. **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):**

Monday 28Feb2011 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.**

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