

## SG-Network TF Conf Call Notes - DRAFT

**Date/Time:** 02Apr2012, 4pm eastern

**Participants:**

Ron Cunningham (vice-chair)

Jerry Armes

Bruce Kraemer

Klaus Bender

Cheong Siew

Michael Northern

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

**Agenda Items / Major Discussions:**

**SRS Edits** – Ron stated that Matt and he worked at the SGIP face2face meeting to clear up some of the edits and changes still needed to the SRS before issuing to the larger group for additional review and input. Ron hopes to have some more content available for the next meeting.

**Documenting the Meter Interval Data Response How Often and Payload Size** – An inquiry came in on what the correct interpretation of the the per datapoint byte sizes that were included in the interval data response ranging 4-6 times per data for intervals 15 min – 1hr and for 4-8 points per interval with payload sizes ranging 1600 – 2400 bytes. Doing the math it appears that the datapoints byte sizes vary from significantly. Ron discussed the response provided and recommended that at least some clarification is provided in the SRS as to how the payload size need to be interpreted e.g. at the application layer, not dependent nor assuming any specific technology implementation, and are intended to at least provide a reasonable bound on the payload size. Ron will work up some draft verbiage for the SRS.

**SGIP SG Architecture Committee (SGAC)** – Ron indicated that as there was some interest in the SG Network Requirements that he shared with the SGAC specific to the Conceptual Architecture Development and the Semantics Model working parties (groups) next step discussions. Of particular note were the potentials for extracting abstracted actor-message-actor profiles and the payload attributes in contributing to the Semantics Model. Actor name harmonization was also brought up. Ron will keep the group informed as these discussions progress.

**SGIP CSWG** – Ron also mentioned reestablishing a coordinating point with another SGAC member Elizabeth Sisley (chair of the CSWG Architecture sub group), relative to the NISTIR 7628 version 2 work and SG Network Requirements payload mapping to LICs, the two different logical reference diagrams that CSWG and SG Network independently maintain and use, and the NISTIR 7628 feedback previously provided by SG Network for consideration in version 2. Klaus Bender also indicated that he and another colleague volunteered to help CSWG in their work efforts, so there appears to be reasonable interaction with CSWG coming up between these two touchpoints.

**PAP02 Activities Update** – Ron indicated that the SDO sub-team was preparing to issue the section 5 of the NISTIR 7761 v2 proposed edits and new content next week. Ron shared some of the edits he provides from a utility and SG Network perspective specific to:

- Base Station and Subscriber Station Antenna Heights deployment trade-offs

- Smart Grid Model Area Wireless Assessment-Modeling Tool  
The modeling tool section still needs a lot more work and probably will not be a part of the SDO sub-team release for AP2 review next week.

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

### I. **System Requirements Specifications** – the following items need to be updated:

Matt to solicit guidance and How-Tos to allow the numerous figures and tables to be linked into the master SRS source document to allow easier updating of individual figures, tables then allow the intended pdf format of the SRS regenerated as needed, versus all of the manual copy/paste format steps currently being performed.

sect 2.1.4 Deliverables – Matt to add in brief descriptions of the primary tangible deliverables e.g. SRS, Requirements Table, Reference Diagram, Application Payloads Table

sect 2.2.1.3 – Note: it is not expected that the mapping of the SG Network application payloads to CIM messaging will make it into the pending SRS deliverable [unless resources to perform that are identified and volunteered or engaged](#).

Sect 4:

- ⤴ Write the overview for each of the use cases
- ⤴ Matt, reconcile actor definitions with Andy Bordine
- ⤴ Section 4.\*.3 needs Scenarios pasted in and described
- ⤴ NOTE that DA reference architecture is generic for DA use cases
- ⤴ Matt, <in progress> collapse Distribution Grid Management & other DA use cases

sect 5 Appendix

- Matt to evaluate 5.5 change to landscape page formatting
- Ron to work up content to explain the minimal requirements and dependencies when selecting which use cases and application payloads are appropriate for specific Deployment profiles.
- Ron, <in progress> Add Method for adaptation of the requirements table information to specific analysis needs (Copy from NISTIR 7761v1 section 3, and modify)

### II. **Requirements Table - Release 5.2? potential use cases and needs**

- A. Distributed DA Maint, DSDR, (Ron) Volt / Var control use case rqmts
- B. (Matt) Security payload overhead - addtl volumetrics (?)
- C. Security Key Exchange add payload rqmts
- D. PHEV and PrePay - add follow the money payload rqmts
- E. HAN (plus those for PLC technology consideration)

### III. **Functional/Volumetrics database** – refer to “database-update-needs-29Aug2011.doc” file in the Rqmts-Database-wip folder for list of additional database coding needs.

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

**Monday 09Apr2012 4-5pm 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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