

SG-Network TF Conf Call Notes - DRAFT

Date/Time: 18Jun2012, 4pm eastern

Participants:

Matt Gillmore (chair)	Bruce Kraemer
Ron Cunningham (vice-chair)	Rich Tolway
Bill Godwin	

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

Agenda Items / Major Discussions: [text in blue, post the conf call additional information]

OpenSG Face2face Cincinnati – SG Communications WG Tentative Agenda –

One update to the agenda was made to accommodate a joint session with SG EIM to discuss e.g.:

- ⤴ bringing others insight to the scoping and chartering that EIM TF is still(?)
- ⤴ doing more payload mapping to CIM
- ⤴ bringing others insights/use of SG Network Requirements information

Day / Time	Title	Topic(s)	Host
Monday			
1-2:30pm	OpenSG	OpenSG Overview	Chris Knudson
2-5pm	SG-Communications	Boot Camp	Matt Gillmore
Tuesday			
10:30-12pm	SG-Communications	WG Activity Overview	Matt Gillmore
1-3pm	SG-Network	SRS working activity	Matt Gillmore
3:30-5pm	SG-Network / SG Simulations (?)	See action item below	Matt Gillmore / Craig Rodine
Wednesday			
8-10am	SG-Network / SG EIM	Joint collaboration on payloads/use-case data	Ron Cunningham / Jim Horstman
10:30-12pm	SG-Network	SRS working activity	Matt Gillmore
1-3pm	SG-Network	SG-Networks todo's for PAP2	Matt Gillmore / Ron Cunningham
3:30-5pm	OpenFAN	Re-visit scope, purpose, etc	Tim Godfrey
Thursday			
8-10am	SG-Network	SG-Comm's misc., see action item below	Matt Gillmore
10:30-12pm	SG-Network / PAP02	SGIP PAP02 joint session with SG Networks, will use SG Networks call info	PAP02 / SG-Network

Action Items:

- ⤴ Matt to discuss SG-Network / SG-Simulations joint session need with Craig Rodine

Payload Baseload/Highload & “Occurrence”Categories Update – Ron walked the participants through the latest version of categorizing the payloads between baseload, highload, and “occurrence - type” he emailed out 13Jun2012. Discussed:

- the split between baseload and highload payloads and how the house case drives that determination for several payloads
- mapping the “occurrence” categories to the payloads using Doug Houseman's original set of 5 and the needed modifications to that set to address the documented use case payloads
- what's the value-add that the additional “occurrence” categorization brings or does not bring to the table e.g. the Requirements Table already allows filtering by use case, payloads and other fields in addition to the deployment scenarios being discussed in the SRS along with the baseload/highload flags

It was Agreed:

- ⤴ SG Networks would document the payload baseload / highload flags in the payloads tab and appendix in the SRS. The initial mapping of the modified “occurrence” categories to payloads would be made available if requested.

Action Items:

- ⤴ Ron to add 2 columns into the Requirements Table “Payload_attrib_LIC_CIA_rtnl” tab for the baseload and highload flags that will be used in to prepare the SG Network Requirements for input into the PAP02 Model-Area Wireless Assessment Tool.
- ⤴ Ron will also add the baseload and highload flags into the payloads table that is in the SRS appendix and change the page layout to landscape.

SGIP 2.0 Business Sustainment Plan – Bruce reminded the group that comments are due 29Jun2012 on v2 of the plan. It was noted that the schedule is to have SGIP 2.0 operational in Jan2013. Here's the URL to that version of the plan out for review <https://collaborate.nist.gov/twiki-sggrid/bin/view/SmartGrid/BSPWGV2>

OpenSG 2.0 Discussions – The OpenSG Technical Committee (TC) is also assessing OpenSG concerning needed changes to better serve it's membership and the industry. The OpenSG TC next meeting Monday 25Jun2012 in the evening will be discussing this and a list of questions (see below), was routed to the TC membership or their thoughts. As the SG Communications chair, Matt Gillmore is a member of the TC. If you have any thoughts on this topic, please contact one of the TC members with your thoughts.

- ⤴ What is the face of OpenSGug 2.0??
- ⤴ What is the value derived from each of the activities under the OpenSGug?
- ⤴ What to continue?
- ⤴ What to stop?
- ⤴ What to start?
- ⤴ Focus on Quality vs. Quantity
- ⤴ What is the magic number for sustainability?
- ⤴ Discussion points/thoughts
 - When “Smart grid”was under development, the networking aspects were critical. Now there are deployments, issues are different. Near term problems more acute, operational/day-to-day

- Utilities are keen to keep resources closer, maybe a bit less travel:
- Fewer integration questions once deployment begins, Less about interoperability and more about benefit realization today
- Public-domain release/conversations on some of these topics are sometimes more difficult, may also use EEI rather than UCAIug as “branding” for information
- Tactically:
 - fewer face-to-face, once a month?

IEEE 802.15.4g – Interoperability – Ron asked about others perspective on what would it take to make that standard to be as interoperable as what the 802.11b/g/n series of standards have become. It was mentioned that the ZigBee Alliance had this in their future efforts to work to bring this interoperability about similar to what the WiFi Alliance has done with 802.11b/g/n. Matt indicated he was going to the ZigBee Alliance meetings and would be report back next week on what the ZigBee Alliance plans are for this item.

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

- [Ron to add 2 columns to the payloads \(sect 5.5\) and change the page orientation to landscape for that section.](#)
- 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. 11 child requirement rows (Premise Network Admin & Firmware /Program Update use cases) need their payload name and type corrected
- B. Distributed DA Maint, DSDR, (Ron) Volt / Var control use case rqmts
- C. (Matt) Security payload overhead - addtl volumetrics (?)
- D. Security Key Exchange add payload rqmts
- E. PHEV and PrePay - add follow the money payload rqmts
- F. 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):

Tuesday-Thursday OpenSG Face2Face Cincinnati 26-28Jun2012

Monday 02Jul2012 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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