

SG-Network TF Conf Call Notes - DRAFT

Date/Time: 20Aug2012, 4pm eastern

Participants:

Matt Gillmore (chair)

Jerry Armes

Ron Cunningham (vice-chair)

Kunle Adeleye

Doug Gray

Rich Tolway

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

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

Business Application Payload Latency description/definition - Ron asked the group for feedback on this SG Network TF definition/description of as the intent is to include it in the SG Network SRS. Discussed:

- ⤴ over the air time and the value of including not including in the definition. Ron stated that the SG Network Ref Diagram and Requirements Table were to be as technology agnostic [and representative of the deployment options]. Even some actor to actor interfaces e.g.: operations (separated by thousands of miles) and even the DAP to endpoint (using satellite as the technology) need to be recognized as options that the user of the SG Network Requirements can tweak to fit their deployment situation, and the SG Network definitions need to account for that flexibility.
- ⤴ include an example application payload requirement set to illustrate the definition/description

Action Items:

- ⤴ Ron to revise the definition/description to include the the two points discussed above.

SRS – Section 4 Status - Discussed:

- ⤴ Meter Read – Matt walked through the current updates to this use case section: scenarios; business objectives table;
- ⤴ Distributed Customer Storage - Ron walked through the draft distributed previously, noting the: reliability items flagged for potential change; addition of 2 payloads for inclusion in release Requirements Table 5.2; and re-verifying the 3rd scenario for capped energy/demand at the meter for islanded mode.
- ⤴ Outage Management – Kunle walked through the few changes made since last face2face work sessions and what is still needed to be updated.

Action Items:

- Matt, Ron, Kunle to update the sections they are redacting and make that available by next conference call
- Matt would make available 3 more use case sections for review by next conference call

SRS Work Review – Reference Diagram Change? - Ron walked through the proposed change to the Ref Diagram to remove the FAN gateway – field actor as that actor (from a logical sense) is the same as the DAP. This would remove a more physical representation that exists in the Ref Diagram. Discussed:

- what it would take to fold that change into the Requirements Table and the SRS e.g. all of the Distribution related diagrams would need to be changed and a

large number of the Distribution app payload requirement sets in the Requirement Table would need to be changed. Both of these changes would ripple into the SRS.

- What the value is to making this change now, but delaying the release of the SRS versus getting the SRS release in October with an incremental release with this change (plus other release 5.1 corrections) later [1st quarter 2013]
- Impacts of making or not making the change to other efforts e.g. PAP02, SGAC Architecture Working Party.

Agreed to:

- Go ahead and continue to use Requirements Table and associated Diagrams based on release 5.1 so that the SRS can stay on schedule for a completion in October / 4th quarter 2012.
- Do a final incremental release of the SG Network TF Deliverables later, that would capture these other changes and cleanups to release 5.1 e.g. end of 1st quarter 2013.

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

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

Matt & Ron provide pre-release version of the SRS and present to the SGAC's AWP by [27Aug2012](#).

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 and 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
- ⤴ Section 4.*.3 needs Scenarios pasted in and described
- ⤴ NOTE that DA reference architecture is generic for DA use cases
- ⤴ Matt, <in progress> consolidate 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. Factor in the additional edits needed in the "How Often" content as identified in creating the profile and scaling the data for input into the PAP02 wireless modeling tool.
- C. Distributed DA Maint, DSDR, (Ron) Volt / Var control use case rqmts
- D. (Matt) Security payload overhead - addtl volumetrics (?)
- E. Security Key Exchange add payload rqmts
- F. PHEV and PrePay - add follow the money payload rqmts
- G. 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.

IV. **SG Network TF artifacts Alignment with OpenSG & other Organization efforts** – Matt and Ron to work with SG Systems WG on determining those alignment steps. Alternatively to take proposal to OpenSG TC to address establishing a normalization effort across OpenSG concerning architectural and semantics references used by the various groups. Note: Ron is carrying this same normalization request to the SGAC.

Next Working Session / Conf Call(s):

Monday 27Aug2012 4-5pm eastern – normal SG Network TF weekly call

URL <https://www2.gotomeeting.com/join/738908066>

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