

## SG-Network TF Conf Call Notes - DRAFT

**Date/Time:** 01Aug2011, 4pm eastern

**Participants:**

Ron Cunningham (vice-chair)	Kelly Flowers
Bruce Kraemer	Klaus Bender
Derek Flickinger	Mark Van Wyhe
Doug Gray	Michael Northern
Jerry Armes	Tim Godfrey
Jorjeta Jetcheva	Vincent Bemmell

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

### Agenda Items / Major Discussions:

**Multi-Dwelling Units – Need for SDO input (?)** – Ron mentioned Don Sturek's 30Jul2011 email questioning whether or not the SG Network Requirements adequately document the network need of extending the external premise network to reach into especially multi-dwelling units and then the HAN network coverage for the HAN devices in separate dwelling units in that facility when dealing with meter clusters located in basements, or vaults and the distances from those meters to the HAN devices across lower multi story facilities to high rises. Ron reiterated that the SG Network Requirements were written to be technology agnostic and that the Reference Diagram did not go into that level of detail. Discussed:

- ⤴ there are two issues: a) external network reach to those challenging meter locations, b) the network from the meter to the HAN devices for more than the simple residential small commercial premise customers
- ⤴ the use of sub-meters as an intermediary actor between the main utility meters and the individual dwelling unit HAN devices Cust. EMS or other primary actors
- ⤴ how big of a concern is this for the utilities or building managers
- ⤴ the extended PAP2 framework assessment discussions did call out the need to factor in those harder to reach meter locations e.g. basements, vaults and high rise building internal structures, though not specifically the use of sub-metering and the meter or sub-meter distance to the HAN devices
- ⤴ question raised on the ability of a single ESI to handle how many multiple dwelling units HAN devices with differing security credentials

#### Action Items:

- get clarification from PAP2 on these points and whether or not they are being addressed by the PAP2 work
- poll the utilities (via SG Network LISTSRV, and Klaus checking with UTC staff) on how much of an issue of providing comm from meters or sub-meters to multi-dwelling HAN devices is

### Rqmts Table v5.0 final editing prior to release:

- **“How Often” column content rework** – per the example payload arrival rates and characteristics distribution information presented in the 21Jul2011 conf call, Ron performed a major rework of content syntax, consistency, and ease of parsing and usability. This additional editing was discussed.
- **draft1f post face-to-face edits** – Ron stated that during the “How Often”

editing, several mis-coded dataflow ref and actor content were found and corrected in the draft1g (ref Ron's email 30Jul2011). Ron also noted the actor "Feeder CBC", feeder capacitor bank controller, being inconsistent with the other feeder device labeling and requested and received participant agreement to change that actor to be more consistent with both the Reference Diagram and other Requirements Table feeder device actor labeling.

- **payload attributes-LIC-C-I-A, rationale edits** – Sandy Basik provided feedback on the new payloads LICs that SG Network recommended. These comments will be reviewed and reconciled with the face-to-face edits of mostly content cleanup.
- **Reference Diagram to Requirements Table** – David Gosch provided status on the macro work e.g. the VISIO r0.7b interface and object properties were updated for names that were then exported into a cross ref table into the macro. The next steps are to:
  - Add the Ref Table as a tab in the Requirements v5.0 draft 1f
  - Add a verification column to the 'Reqmnts – Combined' tab which will do a lookup of every child entry in Columns C, and ensure that D/E are the endpoints of that path. This verification cell will then show any errors.

**Note:** this macro should catch content errors like those mentioned in the "draft1f post face-to-face edits" bullet above.

Action Items:

- ⤴ SG Comm & Network members are requested to review the "How Often" content rework and provide any corrections or parsing syntax alternative approaches to Ron by the next conference call. Receiving none, what was presented will be baked into the v5.0 release.
- ⤴ Ron will make the Feeder CBC actor name changes in the Requirements Table to be consistent with the other feeder device naming.
- ⤴ Ron will work with Sandy to resolve any new payload LIC mapping values and bake those into the v5.0 release and also into the payload attributes-LIC-C-I-A-rationale worksheet for the archival.
- ⤴ Ron will vet the changes of the object name changes in the VISIO Reference Diagram and post that vetted version to the SG Network shared documents folder

**Requirements Documentation Instructions - proposed update** – The v1.2 of the instructions document was updated with proposed changes to account for the content and of the pending v5.0 release of the Requirements Table (ref Ron's 01Aug2011 email).

Action Items:

- ⤴ SG Comm & Network members are requested to review the proposed instructions changes and provide feedback to Ron. Receiving no feedback or corrections, what is proposed as the v1.3 will be baked and released with v5.0 of the Requirements.

**Pending Requirements Table v5.0 Release** – when v5.0 of the requirements is ready for release, including the Payload Descriptions-Attributes-security(LICs-C-I-As-Rationale), the release will also include the Requirements Documentation Instructions v1.3, Reference Diagrams (use case pdf set based on r0.7b). Note shortly following the

Requirements Table release, the expectation is that the Requirements Database will also be released using the content of v5.0.

**PAP2 SDO framework input/modeling/outputs sub-group** – Doug Gray indicated that the initial set of SDOs for this sub-group met and formalized their conference call days/times. e.g. Monday's at 9am Pacific time. For more details see more details on the PAP2 Twiki.

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

I. **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.
- SRS section 3 editors/reviewers – Need to continue to provide content.
- Actor Normalization - 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. Consider collaborating with Doug Houseman.

II. **Requirements Table - Release 5.0 potential use cases** – the next priority set of use cases requirements draft potentials (see below for partial list).

A. “Reqmts-Combined” tab

i. [proposed for release 5.0 aka draft1d](#)

a) scan & remedy for QA/QC items – [final editing in progress for v5.0 in August.](#)

ii. [proposed for a future release e.g. 5.1](#)

a) Distributed DA Maint, DSDR, Volt / Var control use case reqmts

b) Security payload overhead - addtl volumetrics (?)

c) Security Key Exchange add payload reqmts

d) PHEV and PrePay - add follow the money payload reqmts

e) Configuration Mgmt - add use case(?) and payload reqmts

f) HAN (plus those for PLC technology consideration)

B. “Payload attrib LIC CIA rtnl” tab

i. [proposed for release 5.0 – feedback received from Sandy Basick on LICs for the new payloads will be reviewed and changes resolved prior to finalizing.](#)

III. **Functional/Volumetrics database (Jerry Armes, Klaus Bender, Kelly Flowers, Matt Gillmore, David Gosch, Ron Cunningham)** – [Need to factor in revising the parsing routines for the newly revised content and syntax of the “How Often” column.](#)

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

**Monday 08Aug2011 4-5pm eastern** – normal SG Network TF weekly call

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