

SG-Network TF Conf Call Notes - DRAFT

Date/Time: 11Apr2011, 2-3pm eastern

Participants:

Ron Cunningham (vice-chair)	Jojeta Jetcheva
Bill Godwin	Mark Thompson
Bruce Kraemer	Mike Corbett
Don Sturek	Rich Tolway
Doug Gray	Vincent Bommel

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

Agenda Items / Major Discussions:

Reference Diagram draft r0.7b – Though in last week's conference call, Ron thought r0.7a would most likely represent a stable version of the Reference Diagram for hopefully one month. Ron talked through the need that forced an update to r0.7b to allow documenting up additional Firmware/Program Update use case payloads for the Distribution Feeder devices including the FAN Gateway actors e.g. for interfaces and data flows needed. R0.7b versions of the interface, with data flows, and the Firmware/Program Update use case reference diagrams are loaded on the SG Network web pages Diagrams-wip sub-folder. Ron walked through those changes and after fixing one missed interface would re-post to the Diagrams-wip sub folder.

Action Items:

- If anyone sees issues with r0.7b posted EOD Monday 11Apr2011, please provide feedback by next conference call.

SRS – Update/Status – Vincent walked through a few more edits to the Load Management use case section. Feedback was provided on a missing graphic for the REP comm-paths and additional content in parent row summation in the tables for both the Utility and REP payloads, along with differentiating the volunteer load shed from the load management request payloads. Vincent will continue to make the edits in Load Management, then proceed to work on Price use case section.

Comm-Path Decision Points – Ron walked through the r0.1 draft of the graphics created to assist in the consumer of either the Requirements Table or Database (via an user interface) of what the critical decision points that need to be made in order to correctly scope the filtering of the alternative comm-paths to what should be used for a specific project. Feedback and a few edits were noted which will be factored into future updates of this material.

“Last Mile” Spectrum Assessment – Update/Status – Ron indicated that Jerry Armes and Klaus Bender (along with a few others), to work on the “Last Mile” spectrum needs assessment for the utilities and will be making a presentation to UTC mid-May. This bit of work also draws on the data in the Requirements Database and some of the other data gathering in the PAP 2 extended scope efforts, plus adding in additional modeling of deployments for both Distribution and AMI needs specific to spectrum and throughput concerns.

PAP2 – next steps update/status – Ron indicated that several on this call are also engaged in the PAP2 extended scope work efforts. The current tasks are in defining how a smart grid deployment can be characterized/defined from which representative or proxy data gathered to generate a “model service area” from which assessment of use of various standards /technologies /spectrum can be performed. One of those areas is around the classic rural-suburban-urban area types and the smaller working group is working to expand that into 5 types with additional work that the very high density urban and at the very low density areas. The intent is to define these 5 types across the 3 parameters of: population/point densities per sq mile, proportion of US population and land area. Bruce discussed the work he was performing on the very high density urban areas. A key point is that any of these smart grid deployment characteristics is to be capture the significant (more than a miniscule proportion of either the service area or population/endpoints), types of deployment relevant to the wireless use in the smart grid effort.

Ron also indicated that a few of the PAP2 participants will propose in Tuesday's PAP2 conference call, an approach of how to proceed in preparing a deliverable to address the PAP2 extended scope.

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.
 - core SRS editors/reviewers (Matt Gillmore, Klaus Bender, John Buffington, Ron Cunningham, Vincent Bommel) – Need to continue to provide content especially for section 3.
 - 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.
- II. **Requirements Table - Release 4.1 or 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
 - a) scan & remedy for QA/QC items
 - b) add payload requirements for the Feeder device firmware/program updates to the existing Firmware/Program Update use case
 - c) add 2 payloads for configuration update cmd & ack to a Distribution use case
 - d) PHEV and PrePay - add follow the money payload rqmts
 - e) Security payload overhead - addtl volumetrics (?)
 - f) Security Key Exchange add payload rqmts
 - g) Distributed DA Maint, DSDR, Volt / Var control use case rqmts
 - h) Configuration Mgmt - add use case(?) and payload rqmts
 - i) HAN (plus those for PLC technology consideration)

B. “Payload attrib LIC CIA rtnl” tab

i. proposed for release 5.0

a) document up the additional payloads description, attributes, and if applicable security LIC, C-I-A, and rationale per the established criteria/patterns in the other payloads.

III. 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):

Tuesday 12Apr2011 2:30-3:30pm eastern – PAP2

Monday 18Apr2011 2-3pm 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.**

Dial **714-551-0021**

Access Code: **738-908-066**