

SG-Network TF Conf Call Notes - DRAFT

Date/Time: 14Feb2011, 2-3pm eastern

Participants:

Matt Gillmore (chair)	Derek Flickinger
Ron Cunningham (vice-chair)	Doug Gray
Andy Bordine	John Buffington
Bill Godwin	Jorjeta Jetcheva
Bruce Kraemer	Juan Oliver
Cheong Siew	Mohammad Shakouri
Daniele Loffreda	Rich Tolway

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

Agenda Items / Major Discussions:

Customer Density / PAP 2 Scenarios –

“Last Mile +” Spectrum Needs and Characterization – Matt started the discussion on determining what was needed to be asked in a data gathering template to address the data input needs into the analysis work for documenting utility spectrum needs especially for smart grid deployments. Matt showed a visual of meter endpoints as viewed at the state level, and a table of statistics that Cheong Siew shared that might be a beginning of a survey template. Though the survey and wireless spectrum needs are not just to focus on the rural, low density areas, the discussions gravitated to those tough deployment areas. Ron also shared a comparable view of meter deployment areas at a state view also. The question was asked, if we gather this information how is it to be used to address substantiating a spectrum need specific to the utilities. Or more appropriately, what data needs to be gathered to demonstrate that spectrum need?

Next Action Steps:

- Matt will work on a draft survey template and present at the next conference call.
- Ron will post the document he shared with PAP 2 on proposed content to be added to the guidance document to better understand where specific wireless standards/technologies are best suited for the smart grid.

Payload Descriptions – LICs, C-I-As, Rationale – Bill Godwin walked through his review of the ~35 flagged payload C-I-As that needed further vetting. Bill focused on those specific to the distribution domain and identified a few proposed edits. There was general agreement on Bill's proposed edits. There was a couple that Matt was not comfortable with.

Next Action Steps:

- Matt will send out a request for input on the flagged (yellow shaded cells) for additional feedback from the group. Based on that outcome and follow-up vetting, Ron will fold those changes into the current wip of the Rqmts Table and the Payload description, attributes, LIC, C-I-A, rationale wip spreadsheet being used to vet the LICs and to be retained as an archived artifact.

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

1. **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. Target is to complete SRS by end of Mar2011.
 - 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.
2. **SG-Network Deliverable(s) Release 5/6 potential use cases** – the next priority set of use cases requirements draft potentials (see below for partial list).
 - Updated use case and targeted release table – continue to review and comment on release 4.1 draft7, and continue to complete the remaining documentation for the next release.
 - Scan Previous use case requirements for consistent inclusion of error and other management payloads and prepare needed payload requirement sets (Mike Corbett) Other use cases are being investigated.
 - HAN (plus those for PLC technology consideration) – Matt Gillmore and Don Sturek to reach out to ASHRAE(?) and SAE(?) for their current use case documentation for incorporating into functional/volumetrics requirements deliverables. Dealing with document terms of use and access points.
 - DA, divided into sub use cases:
 - Additional comm-paths added to already documented sub-use cases (Ron Cunningham) target for release 4.1
 - DA Maint, DSDR, Volt / Var – Distributed (Andy Bordine, Ron Cunningham) targeted for release 5.0
 - Outage Mgmt (Matt Gillmore) add payloads for ultimate consuming actors of outage information targeted for release 4.1
 - PHEV (Ron Cunningham & Vincent Bommel) add “follow the money” payloads and others as extracted from SAE, targeted for release 4.1.
 - PrePay (Ron Cunningham) add “follow the money” & SMS text & email payloads targeted for release 4.1
 - Pricing – TOU, RTP, CPP (Vincent Bommel & Ron Cunningham) – add in the pricing payloads, targeted for release 5.0
 - Configuration Mgmt (Kory Fifield) targeted for release tbd. Matt to follow-up on this.
 - Security key exchange – Need to add payload, Matt will send inquiry out to group on what the appropriate “How Often” should be, targeted for release tbd
 - Payload Implications, LIC, CIA vetting – [continue to document the implications and work with the network-security sub team to vet payload LICs and C-I-A values based on the application payloads](#)
3. **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):

Monday 21Feb2011 2-3pm eastern.

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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