SG-Network TF Conf Call Notes - DRAFT

Date/Time: 26Aug10, 2-3pm EDT
Participants:

Matt Gillmore (chair)	John Lampe
Ron Cunningham (vice-chair)	Jorjeta Jetcheva
Andy Bordine	Kelly Flowers
Cheong Siew	Mark Van Wyhe
David Gosch	Mike Corbett
Jerry Armes	Thomas Herbst
John Buffington	Vincent Bemmel

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

Agenda Items / Major Discussions:

Network Management Requirements – Matt introduced a matrix that played out the required/optional and reporting frequency of a common set of events (payloads) to be obtained and provided to a NMS actor (the telecommunications network, not the electric grid), from the critical smart grid endpoints and communication gateway domain actors.

Discussed:
- clarifications to a few of the events (payloads)
- inclusion of not of water meters
- inclusion or not of other actors not currently in the ref diagram nor Requirements Table

It was agreed to:
- include in water meters
- not include in the anticipated 1ˢᵗ release of this use case the new actors that were called out in Matt's matrix, and roll to the extent reasonable, those payload requirements into any appropriate existing actors. Rationale: introducing these new actors create additional requirements where some of those actors would be a part of the communication paths for other use case payloads. This might be added in later releases as deemed necessary.

Pricing Use Case – It was noted that the currently documented requirements stop at the use of the generic HAN device. These requirements need to be parsed out to all the actual HAN actors as additional data flows have been created for that purposed in the proposed next published release of the ref diagram. Vincent will take on this additional bit of requirements documentation.

Database Next Steps – Initial Work Session – the outcomes of the 1ˢᵗ small group working session summarized, most notable being:a) creation of a draft next features and capabilities roadmap; b) managing the required software development needs via a lite version of software project management; c) reaching out to the group for software development assistance. Matt extended to the participants, that if interested, please step forward, and that the progress can be tracked via the contents added in the database-wip folder under the SG-Network work-in-progress folder.

Reference Diagram r0.6D – Ron over viewed the latest draft of the baseline reference diagram emailed out last week. An approval of the r0.6b version was requested to allow updates and corrections to the release 4.0 and proposed new payloads for a release 4.1 to proceed. The previous comments on adding in a water meter into the requirements actors, also triggered the observation that the ref diagram does not contain neither a gas nor water meter that are adequately illustrated with the interfaces and data flows as represent by the current smart meter/2-way meters. Consequently, after the water and gas meters have been included, then the new draft will be reconsidered for finalization.

Requirements Table status of draft1 of Release 4.1 – Ron over-viewed the current state of draft1 for the release 4.1 Requirements Table. Several corrections/updates to the release 4.0 were noted: a) data flow ref pseudo code for use of "&" to denote multi-actors in either the from or to actors for a parent row; b) splitting the old "non-Smart Meter ESI" into "ESI – Utility" and "ESI - 3rd Party" and clarifying how the data flows occur from the 2-Way meter and the 3rd party ESI; c) accounting for the other data flows and interface changes made in the proposed r0.6b diagram; d) exemption for to correct requirement ref on 3 payload requirement sets with out have to performed a formal delete and re-enter of the payload requirements sets; e) creation of the new distributed customer storage and generation actors in the Distribution domain.

It was agreed to:
Ron to post question the SG-Network and PAP02 groups on a proposed simple update to 3 miss-named "rqmt ref" values versus the formal remove and re-enter process stated in the requirements documentation instructions. Specifically, was anyone tracking by "rqmt ref" values those 3 payload requirement sets.

Network Centric View – Matt summarized Jorjeta Jetcheva's recent posting of the example of the documentation request she raised last week. The discussion on this topic will be continued next week, as we ran out of time. All were encouraged to provide their comments on the topic back to the SG-Network LISTSRV group.

Note: checkout the ToDos for other updates that were mentioned in the conference call or provided to Matt or Ron.

To-Do's (description, lead person, current state)
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.
   ○ core SRS editors/reviewers (Matt Gillmore, George Cosio, Klaus Bender, John Buffington, Ron Cunningham, Kelly Flowers, Vincent Bemmel) – Matt will prepare a draft format/template change to accommodate payload attributes to address a need for substantiating security C-I-A risk level assignments.
   ○ 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. Needing to restart this effort.

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 – next release date (tbd) for either a 4.1 or possibly 5.0 (inclusion of new use cases)
   - Scan Previous use case requirements for consistent inclusion of error and other management payloads and prepare needed payload requirement sets (Mike Corbett) Initial effort was refocused to work out the process kinks.
   - 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
     - Dispatch Distributed Storage (Ron Cunningham) add island messaging to customer and revise use case for potentially a generic DER versus being focused just on Storage Batteries, targeted for release 4.1
     - DA Maint, DSDR, Volt / Var – Distributed (Bill Godwin, 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 Bemmel) 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 Bemmel & Ron Cunningham) – add in the pricing payloads, targeted for release 5.0
   - Configuration Mgmt (tbd) targeted for release tbd

3. **Requirements Payloads C-I-A and L-M-H Values –** Need to resolve a few payloads where different C – I – A values were assigned for different actor-to-actor pairings. Refer to file "SG-Net_Rqmts-Table_v4.0_Payloads-Parents-CIA.xls" in the SG Network work-in-progress folder.

4. **Functional/Volumetrics database (Jerry Armes, Klause Bender, Kelly Flowers, Matt Gillmore, David Gosch, Ron Cunningham) –** Check out the posted notes in the database-wip folder.

5. **PAP 1 SG Communications' Tasks (from Don Sturek's email)**
   - provide feedback on the list of gaps found in HAN for IETF requested work
   - provide a specific list of security gaps in HAN (e.g. probably a subset from 1st bullet)
   - provide feedback and comment on Fred Baker's Internet Draft on Smart Grid RFCs e.g. what's missing. Fred will add routing standards to the document.

6. **SG-Network Website Cleanup & Archiving –** Matt & Ron to perform some website content and folder cleanup to make it easier to locate and find content. This includes potential relocating the content from the SG Communications home page to the specific SG Network TF webpage.

7. **Deliverables Q/A Process and Format** – Implementation of Q&A process on hold pending completion of other higher priority tasks.

Next Working Session / Conf Call(s):
Thursday 02Sep10 2-3pm EDT
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.

Dial **714-551-0021**
Access Code: **738-908-066**
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Meeting ID: 738-908-066