SG-Network TF Conf Call Notes - DRAFT

Date/Time: 21Mar2011, 2-3pm eastern
Participants:

Matt Gillmore (chair)	Jerry Armes
Ron Cunningham (vice-chair)	Jorjeta Jetcheva
Andy Bordine	Kelly Flowers
Bill Godwin	Klaus Bender
Cheong Siew	Mike Corbett
Derek Flickinger	Mohammad Shakouri
Doug Gray	Vincent Bemmel

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

Agenda Items / Major Discussions:

Requirements Table – Update/Status – Ron summarized the changes represented in draft8b (current row count 4739, 185 payloads, ~400 parent rows), which included:

- ⚔ addressing most of the needed changes coming out of the face-to-face vetting work sessions, except for DR-DLC which is still being revised.
- ⚔ Updated previously hidden tabs:
  - ○ Payload_attrib_LIC_CIA_rtnl-WIP
  - ○ draft8b-usecase-per-payload
  - ○ payload-mtr-splits

The meter splits tab content was reviewed and it was noted a few payloads for the gas/water valve operation and status versus an electric meter service switch were added. There are a few payloads for some use cases that the generic 2-Way meter use of a payload will be changed or the color coding in the tab changed to reflect the intended usage.

Action Items:

- Ron distribute draft8c by the end of the week which will include at least the updates to DR-DLC. That update will also include a global change to the IHD actor re-labeled to IPD. This change will also be carried into the reference diagram.
- It was also decided that the add 2 payloads for feeder switch "new configuration update cmd & ack" would be carried in both Volt Var and the Feeder DA Maintenance use case s.

Payload Descriptions – LICs, C-I-As, Rationale – Ron indicated that the work-in-progress "Payload_LIC_CIA_Rationale" tab intended for content distribution use and database load (e.g. the gray shaded column heading columns) was copied into the draft8b requirements table and that the content is specific to electric smart grid and do not apply to the security impacts for gas or water businesses.

Reference Diagram draft r0.7a – Ron introduced proposed next version of the reference diagram that contains the additional interfaces amongst the CIS/Billing DSM, LMS, MDMS actors and the interfaces and data flows with Security Key Manger and Certificate Authority for both the Utility, REPi, and 3rd Party domains. Ron asked if any

on the call had problems with that representation. Hearing none, the r07a reference diagram will be posted in the diagrams-wip and the use case re diagrams generated and uploaded to that same folder. This will allow for some of the additional requirements payloads-use cases to be documented. This version will also have the IHD changed to IPD.

SRS – Update/Status – Matt summarized what had been turned in on the use case sections from and since the face-to-face work sessions and asked for update status on the section champions. The Meter Events was quickly reviewed with some additional edits in the alternative comm-paths diagram noted.

A recommended approach to creating/updating alternative comm-paths diagrams is to start with the latest use case reference diagrams and the latest requirements table, then sketch out and modify the starter set of alternative comm-paths VISIO diagrams to match. When inserting those diagrams into the SRS word document, PLEASE use a copy paste as "Picture (Enhanced Metafile)" to retain as much resolution as possible without bringing the diagram object into the word document. It is requested that any VISIO updates to those alternative comm-paths be stored in the diagrams-wip folder for others to make use of.

Matt will follow up with the other section champions on their progress.

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 Bemmel) – 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.
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 4.1
         a) DR-DLC - add rqmts for additional actors and use of ESIs (Ron)
         b) scan & remedy for QA/QC items
         c) add 2 payloads for configuration update cmd & ack to a Distribution use case
      ii. proposed for potential 4.1 otherwise 5.0
         a) PHEV and PrePay - add follow the money payload rqmts
         b) Security payload overhead - addtl volumetrics (?)
         c) Security Key Exchange add payload rqmts

  iii. proposed for 5.0 (e.g. new use cases & payload rqmts)
   a) Distributed DA Maint, DSDR, Volt / Var control use case rqmts
   b) Pricing TOU, RTP, CPP - add use case and payload rqmts
   c) Configuration Mgmt - add use case(?) and payload rqmts
   d) HAN (plus those for PLC technology consideration)
 B. <u>"Payload_attrib_LIC_CIA_rtnl" tab</u>
  i. proposed for release 4.1
   a) modify/sync Payload C-I-A with C-I-A rationale (Ron with SG Network-security-CSWG)

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 08Mar-09Mar2011- face-to-face)
Monday 28Mar2011 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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