SG-Network TF Conf Call Notes - DRAFT

Date/Time: 15Aug2011, 4pm eastern
Participants:

Ron Cunningham (vice-chair)	Klaus Bender
Bruce Kraemer	Mark Thompson
David Gosch	Mark Van Wyhe
Doug Gray	Michael Northern
Jerry Armes	Mo Shakouri
Jorjeta Jetcheva	Tim Godfrey
Kelly Flowers	

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

Agenda Items / Major Discussions:

Reference Diagram to Requirements Table Vetting – The results from use of the vetting macros (formula based) indicated a significant difference between actor naming between the Reference Diagram and the Requirements Table. <u>Many thanks to David Gosh, Juan Oliver for preparing this vetting tool!</u>

Ron prepared a table of edits (vast majority were simple text cleanups and shortening of labels), that were needed for both the Reference Diagram and the Requirements Table. Ron also noted that this formula vetting does not check that are children data flows are accounted for as called out in their parent's data flow pseudo code and that is possibly something to add to the Requirements Database. Jerry Armes confirmed that the current database does not perform that check.

<u>Decisions:</u>
- ⚔ the participants were ok with the proposed changes to the Actor naming in the Reference Diagram and Requirements Table.

<u>Action Item:</u>
- ⚔ add to the database the code to check and report that all dataflows/interfaces called out in a parent's dataflow pseudo code are included in that parents set of child rows.

Rqmts Table v5.0 final editing prior to release:
- ⚔ **draft1i Requirements formula/macro vetting & edits** – Ron Indicated that the initial vetting formulas and reference tab were merged into draft1i and tweaked slightly to allow for easier visual flagging of errors. This included adding in more internal table cross reference entries to account for all data flows & interfaces and actors used in the Requirements Table that had not yet been fully checked out in the vetting tool. Formula checking on the "Requirements" and the "How Often" column checking back against the From & To actors were also added. The net result was that these formula based checkers assisted in flagging errors in data flow ref, From & To Actors, Requirements and How Often columns. The additional formula based checking columns would be retained in the work-in-progress version, but would be removed (along with the version editing syntax) from the clean version of 5.0. <u>Discussed:</u>
  - ○ <u>FeederFault_Detector Payloads' field actor</u> – Ron asked for clarification of

the group as to whether these FeederFault_Detector sensor actors were independent of the modern feeder Recloser or Circuit Breakers that are typically those actors that detect and open on detection of faults. Currently the From & To actors for these set of payloads referred to the FeederFault_Detector actor as "Feeder Fault Detector Sensor" and the dataflows were written referring to "Field Sensor". In the editing above to clear the formula checkers above, the From & To actor name was changed to "Feeder Sensor" with the Requirement column retaining the parenthetical reference to "Feeder Fault Detector". This parenthetical qualifier was also performed in the FCIR use cases where a generic name was used for several named actors from the Reference Diagram. Issue – if the FeederFault_Detector sensor actor is indeed one of various Feeder Sensors (independent of other field actors), then the existing payload data flows are ok. Otherwise, if the intent of these payloads is to the modules within Reclosers and Circuit Breaker controllers, then the payload sets need to be changed from reference from the Field Sensors to the Reclosers and Circuit Breakers.

Action Item:
- Ron will pose a question to the SG Network TF for clarification on the intent of these payloads and which field actors they apply to. Based on that response, the FeederFault_Detector Payload requirement sets may need to be updated prior to 5.0 release
- Ron will attempt to load a clean version of draft1i into the Requirements Database to check for any other errors that the database checks on, and then make those edits prior to release as 5.0.

⚔ **payload attributes-LIC-C-I-A, rationale edits** – the updates as called out and agreed to in last weeks conference call, were applied and recorded in "Payload-LIC-CIA-template-r0 6m.xls" and the clean version loaded into the "Payload_attrib_LIC_CIA_rtnl" tab of the Requirements Table files.

Reference Diagram Updates – The reference diagram master was updated to r0.7c accounting for the edits discussed earlier. The pdfs of the master and the use cases were prepared and posted for final review and approval.

Decisions:
⚔ the participants were ok with the actor label changes made in the Reference Diagram.

Payload mapping to CIM message – potential – It was noted that OpenSG can call out CIM/IEC named objects/messages without copyright concerns with IEC. Ron indicated that Margaret Goodrich (SISCO, Inc), has agreed to perform a mapping of the SG Network TF payloads to CIM objects to the extent possible over the next few weeks. Once a draft is ready, a GoToMeeting will be scheduled up with Margaret to review the results.

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 with final clean version due for review 22Aug2011.
   ii. proposed for a future release e.g. 5.1
     a) Distributed DA Maint, DSDR, Volt / Var control use case rqmts
     b) Security payload overhead - addtl volumetrics (?)
     c) Security Key Exchange add payload rqmts
     d) PHEV and PrePay - add follow the money payload rqmts
     e) Configuration Mgmt - add use case(?) and payload rqmts
     f) HAN (plus those for PLC technology consideration)

III. **Functional/Volumetrics database (Jerry Armes, Klaus Bender, Kelly Flowers, Matt Gillmore, David Gosch, Ron Cunningham) –** Need to factor in: a) revising the parsing routines for the newly revised content and syntax of the "How Often" column; b) checking to see that all of the parent's data flows mentioned in the "pseudo code" are included in the child requirement rows;

Next Working Session / Conf Call(s):
Monday 22Aug2011 4-5pm 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**