

SG-Net TF Conf Call Notes - DRAFT

Date/Time: 22Jan10, 4-5pm EST

Participants: Matt Gillmore (Chair)
Bill Godwin
Bill Leslie
Dennis Brewer
Don Sturex
Jerry Armes
Luis Pizano
Paul Duffy
Ron Cunningham
Vincent Bommel

Agenda Items / Major Discussions:

Functional/Volumetrics database – Jerry Armes provided an overview of the draft database schema and usage as described in the document that was sent out previously. The schema (aka. ACCESS relationships diagram) pdf was also posted to the SG-Net website. For those wanting to obtain copy of the draft database referenced in the document, use the following URL <http://www.micronetcom.com/jarmes/> as there are current filters to prevent uploading files like ACCESS mdb's to the OpenSG site.

Discussed the the need to sync the database with the context diagram and functional/volumetrics being in the SG-Net TF deliverables. Also, need to add in more details/tables that link in the lower level attributes/data found in the volumetric data, including the draft of the DA use cases. It was agreed that use of a database (with appropriate front-end) versus multiple spreadsheets/tables had the potential to be a better way of analyzing/reporting on the functional/volumetric requirements, AND the draft schema was a good first step.

Data/Message Flow Diagram – Ron Cunningham described the updates to last weeks diagram draft:

- actors and data/message flows based on SG-Net TFs current functional requirements draft (generalized source/target flows excluded), versus the NISTIR 7628 draft
- changes in the field area networks and distribution field domain in an attempt to better represent other utility deployment designs
- reworked the dataflow labels
- adding an alternative DAP connection to PSN/Cellular network cloud

Discussed what the need for separating the PSN/Cellular from WAN especially for the DAP actor link. Also what's the process for providing feedback/edits to the diagram, and to review latest NISTIR diagrams for conceptual actor/flow changes SG-Net may need to incorporate. Ron also clarified, that though several of the diagrams edits were made to better fit AEP's actors and data/message flows, that the entirety of the diagram did not represent AEP's SG architecture. The group needs to determine what level of alternative actor and data/message flows variants is required to best represent

OpenSG's view of SG. It was agreed to:

- merge the PSN/Cellular network into the WAN and note the public/private nature of the WAN
- feedback (must be accompanied with specific changes) and edits can be posted as simple emails or marked-up pdfs (using pdf comment features), or direct edits of the Vision source file (but in a different color or including callout notes) AND provide directly back to Ron Cunningham or posted to the LISTSERV AMI-Net address.
- Increase size of the diagram to allow for more diagram spacing between actors to increase readability of understanding of the data/message flows.

Business Functional & Volumetric Requirements – Ron Cunningham also described updates to the functional/volumetric requirements table that included: changing the data/message flow labels
adding column to list the specific data/message payload(s) name, intended to assist in follow-on data/traffic modeling

Discussed the importance and need to make the functional/volumetric requirements identify specific source and target actors for the specific named payloads and that diagram and the functional/volumetrics table must sync with each other. Changes to the diagram must also be reflected in the functional description and vice versa.

Working/Conf Call Notes – Matt Gillmore indicated it was his preference to see the notes be included in the emails rather than just a folder/web page link.

To-Do's

1. **SG-Net Diagram format/structure** – Matt Gilmore to follow-up with Nada Glomie (NIST)
2. **SG-Net Diagram content** – all to review and especially the utilities, provide data/message flow and network connection updates to best represent a consolidated view across the utilities. [A few edits have been provided. More still needed](#)
3. **SG-Net Diagram actors data/message flows** – [Ron Cunningham will update the diagram to create more actor to actor visual spacing, and merge PSN/Cellular into WAN and factor in any received diagram edits as the group agrees to.](#)
4. **Functional/Volumetrics database** – Jerry Armes prepared the 1st draft. [All are to review the draft database schema and provide Jerry Armes with suggested changes to advance the development of the db schema.](#)
5. **NISTIR Actors, Data/Message Flows** – SG-Net provide feedback to NIST concerning revising the NISTIR actors, data/message flows to better match utility SG architectures/designs and deployments.
6. **Functional/Volumetric Requirements file format** – Matt Gillmore to take current spreadsheet file format and translate it into text document, rationale - will allow for better content formatting and tracking changes than spreadsheets. [Group needs to determine what \(if any of the edits Ron Cunningham made to the 21Dec09 version\) are to be carried forward.](#)

Next Working Session / Conf Call: 29Jan10, 4-5pm EST.