



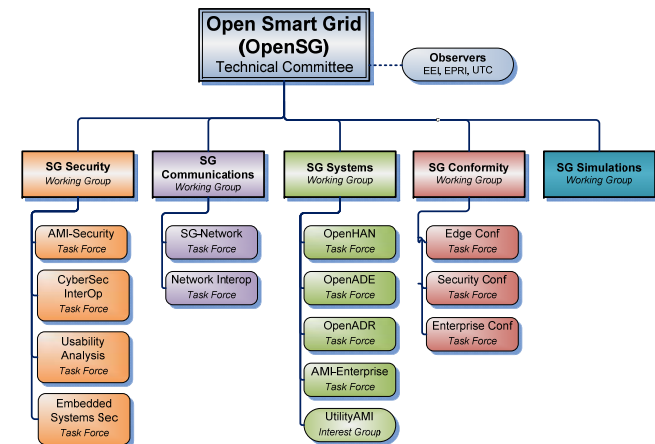
OpenSG Closing Plenary San Francisco

March, 2011



Agenda

- SG Conformity
- SG Communications
- SG Systems
- SG Security
- SG Simulations
- Feedback
- Next Meeting



Total Registration for this meeting = 187
only 1 no show out of total



SG Conformity





SG Conformity

- Key accomplishments
 - Began new business for Edge Conformity around HAN testing requirements
 - Identified a need for creating specific end-to-end use cases in order to address gaps in end-to-end testing
 - Discussed gaps and realities in security conformity
- Next steps
 - Share end to end use cases with other working groups in OpenSG
 - Look at creating OpenSG specific profiles of standards for testing
 - Collaborate with end to end working group in SGTCC





Edge Conformity TF

- Key accomplishments
 - Discussed development of a OpenHAN2 profile of SEP 2.0
 - Identified gaps in HAN testing around:
 - End to End Testing (Simulating registration to the back office)
 - Device Type mapping from OpenHAN 2 to SE 2 (OpenHAN2 profile of SE2 through PICS documents)
 - Performance Testing
 - Minimum reference ESI testing
 - Joint sessions with Enterprise - (see Enterprise Conformity).
 - Joint session with Enterprise/Network Interop – (see Enterprise Conformity).
 - Identified need to work with SG-Systems to ensure End to End testing scenarios are complete
- Next steps
 - Review SEP2 App spec w.r.t. OpenHAN2
 - Define implementation and testing requirements for OpenHAN 2 device types
 - Joint call with OpenADE to review test definition methodology and walk through example
 - Coordinate with SG-Systems w.r.t. End to End requirements
- Meetings
 - Joint Edge/Enterprise meetings: weekly on Wednesdays at 10am Pacific





Enterprise Conformity TF

- Key accomplishments
 - Identified priority End-to-End use cases for testing
 - Joint session with Edge/Network Interop - Discussed End-to-End use cases and walked through a End-to-End use case for a Enrollment and Qualification scenario
 - Joint session with Edge - walked through a End-to-End use case for an Event Notification scenario
 - Joint session with Edge – Reviewed Test Case examples for a ESI that focused on interoperability scenarios (End-to-End)
- Next steps
 - Work with SG Systems on creating a common set of logical components/Interface Reference Model that can be used for End-to-End testing
 - Enterprise meetings: weekly on Tuesday at 2:00PM Eastern





Security Conformity TF

- Key accomplishments
 - Approved creating Smart Grid Security Testing Council
 - To develop tools to conduct repeatable scoring assessment
 - Provide guidance for independent auditors
- Next steps
 - Draft Charter for Council by March 31st
 - Final Charter for Council by next face-to-face in Vancouver
- Next Teleconference
 - To be announced via the listserv (after Security Conformity meeting)





SG Communications





Network Interoperability TF

- Key accomplishments
 - AMI/HAN Interface
 - Expanded scope beyond Residential and AMI
 - Requirements on communications to Premises
 - Streamlined work process moving forward
- Next steps
 - Finish OpenHAN SRS v2 documents
 - Determine next items for requirements gathering
 - SAE, PAP17, others
 - Get co-chair





SG-Network TF

- Key accomplishments

- Requirements work
 - Vetted approximately 1500+ additional requirements across different network paths for Distribution Automation
- System Requirements Specification
 - Divided the SRS into 6 sections and worked in teams on 4 of those sections
- Database modeling tool
 - Reviewed the latest database and discussed additional features/enhancements
- NIST PAP 2
 - Reviewed definitions of census bureau definitions of urban and rural areas pointing to additional OpenSG work around harmonizing the models from the various SDOs to the SG-NET requirements





SG-Network TF

- Key accomplishments cont.
 - Joint meeting with SG-Security
 - Reviewed proposed C-I-A mappings to latest 1500+ requirements added to the SRS
 - NISTIR 7628 Document was used for Confidentiality, Integrity and Availability



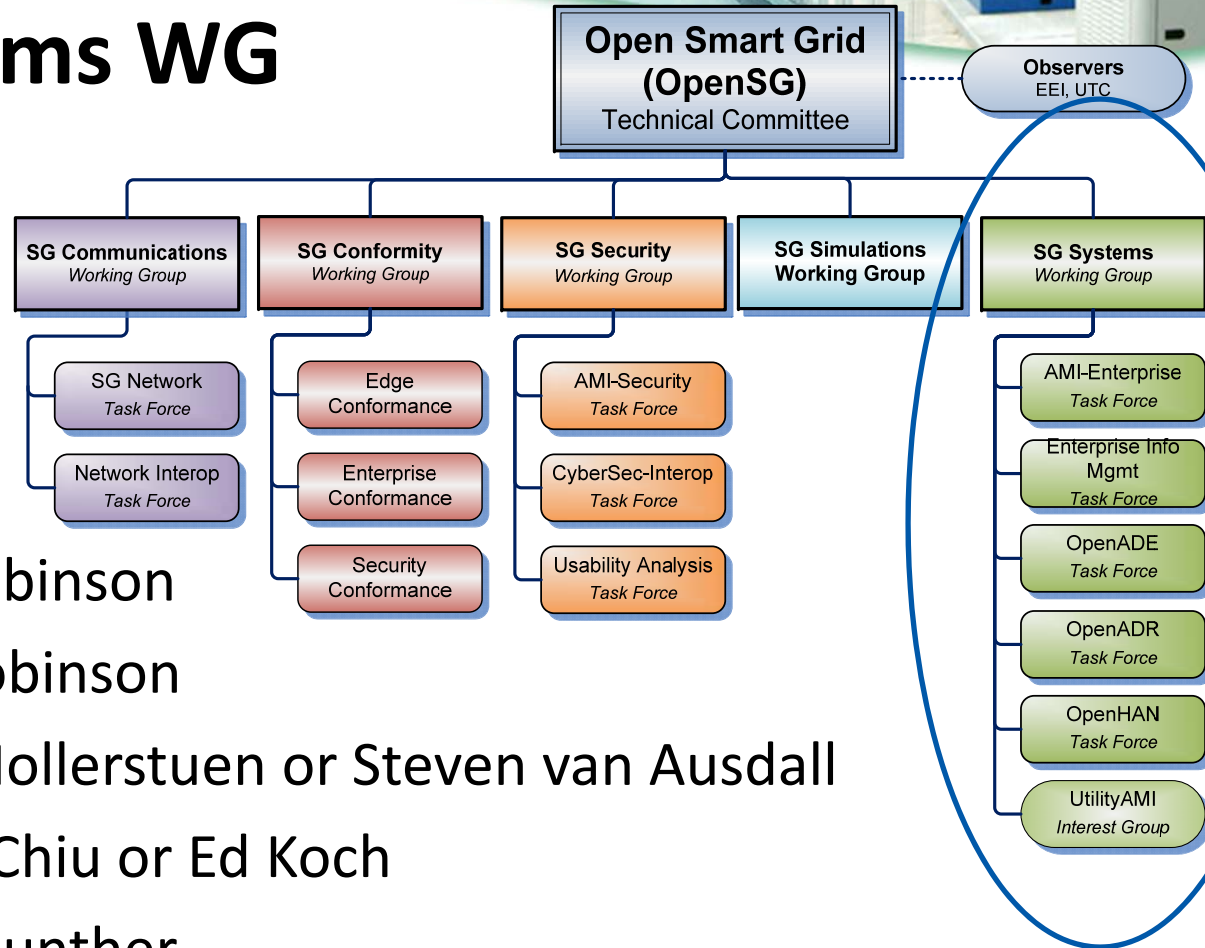


SG-Network TF (continued)

- Next steps
 - Finish the System Requirements Specification V4.
 - PAP 2 re-charter work for SG-NET
 - Evolve database tool and educate potential users
- Next webinar: Monday March 14th 2pm EDT (Weekly meetings) – Confirm with Matt!



SG Systems WG



- WG – Greg Robinson
- EIM – Greg Robinson
- ADE – Dave Mollerstuen or Steven van Ausdall
- ADR – Albert Chiu or Ed Koch
- HAN – Erich Gunther
- AMI-Ent (between cycles) – no report



SG-Systems WG Meeting

- Reviewed and discussed need updates to WG’s charter
 - Greg to update based on input and provide to WG members for review and comment
- Held a very interesting “Inquiring minds want to know...”
 - NIST, SEP 2.0, SAE/PEV, IEC, Unite, etc.
- Updated SG-Systems Roadmap
- Discussed needed updates for SharePoint
 - Updates to be made during the next few weeks
- General discussion



EIM Session 1 – A Series of Short Presentations/Discussions

- To a packed and warm room, some of the utility members shared their EIM experiences and plans, focusing on:
 - 1) EIM challenges
 - 2) lessons learned
 - 3) key requirements
- Presentations/discussions from:
 - SCE
 - AEP
 - FPL
 - Consumers Energy
 - Oncor
 - Progress
 - Exelon



EIM Task Force Sessions 2 & 3

- **Agenda for Thursday morning** (please note: this is a verbal update since this report out was due prior to the meetings being held)
 - Requirements
 - Discussion and review of SRS section authors and contributors and validate all topics during one of the sessions
 - Discuss plans for use cases
 - Smart Grid Semantic Model
 - Discuss needs and requirements for Smart Grid Semantic Model that leverages relevant standards to cover the scope of the Smart Grid
 - Discuss how to collaborate with organizations like NIST and the IEC
 - Define master plan and break it into prioritized phases
 - Set key milestones for roadmap



OpenADE

- Key accomplishments
 - Determined critical areas of support for NAESB Energy Services Provider Interface (ESPI) – Standardization of OpenADE 1.0 Requirements
 - Interoperability Testing and Conformance Certification
 - Contributing to ESPI Sample Implementation
 - OpenADE 2.0 Scope Brainstorming
 - OpenADE 2011 Roadmap
 - 15 new people at OpenADE sessions this F2F





OpenADE (continued)

- Next steps
 - Support NAESB ESPI effort:
 - Work with Conformity, OpenSG leadership to initiate ITCA, interoperability testing for OpenADE / NAESB ESPI
 - ESPI sample implementation
 - OpenADE 2.0 Requirements work to restart as ESPI 1.0 approaches finalization (Q2 2011)
- Next encounter data/time
 - OpenADE Webconference: first Thursday of each month, 11a PT/2p CT





OpenADR TF

- Key accomplishments
 - Successful PAP09/OpenADR meeting
 - Reviewed gap analysis on pricing model (SEP, NAESB, EITC, UCA OpenADR)
 - Reviewed draft OASIS EI TC draft document
 - OpenADR Profile
 - Discussion on different type of DR requirements
 - Continue to define the scope of OpenADR SRS 2.0
 - PEV
 - Study existing use cases
 - » EPRI Repository
 - » PAP11/SAE
 - » SCE
 - » V2G DWEG
 - » IKB Use case page in SGIP





- Fast DR
 - Ancillary Services
 - » IRC categorization
 - » Identify the resource and response requirements
 - » IRC participation/input
 - » CAISO/NYISO
 - » Pilot projects
- Security (joint session)
 - Review OpenADE third party security document
 - Create listserv for subgroup
 - Harmonize actors
- Distributed Generation (DER)
 - Define scope of OpenADR & Role of DER
 - Customer owned DG





OpenADR TF

- Next steps
 - Recruit volunteer
 - Form sub groups for SRS 2.0 activities
- Continue to work with NAESB, OASIS and Zigbee on PAP09
- Goals for next F2F meeting
 - Draft SRS 2.0 document





SG Security





SG Security – Updates

- Updates on points of interface with external groups
 - IEC TC57 (Power Systems)
 - WG15 (Communications Security): Status of IEC 62351
 - WG10 (IEC Comms & Data Models): Update on IEC 61850-90-5
 - NERC CIP Standards Drafting Team
 - Changes in CIP v4
 - NIST CSWG & SGIP
 - PAP10, NAESB ESPI, and use of 3PDA SP
 - AMI Security Profile → AMI Security Subgroup
 - Industrial Control Systems Joint Working Group (ICSJWG) Vendor Subgroup





SG Security – Task Force Activity

- Usability Analysis Task Force
 - Pushing 3PDA Security Profile to vote
 - Identified path forward for comments on DM Security Profile
 - **Discussion:** *need elaboration on use of VPNs over public networks*
- CyberSec Interop Task Force
 - Review of work-in-progress for SSH Interoperable Configuration Profile
 - **Discussion:** *Configuration Profiles, “Plugfests,” & Interop Testing*
- Embedded Security Task Force
 - Progress on Secure Device Profile: issues, scope, & assignments
 - **Discussion:** *IPR*






SG Security – Collaboration & Support

- ASAP-SG
 - Status update
 - Review of WAMPAC Security Profile
 - *NOTE: Looking for utility participants!*
- Support of SG Network / PAP02
 - Review of C-I-A evaluation of Data Payloads
 - *Discussion: how can this be used as a tool in a risk assessment?*
- Support of OpenADR
 - Mapping OpenADR to 3PDA Security Profile
 - Identification of path forward, forming x-functional team





SG Security – Next Steps

- Actions
 - 3PDA Security Profile – prompt SG Sec for vote
 - Solicit & assemble comments on DM Security Profile
 - Coordination with OpenADR
 - Outreach to newly formed external groups
 - NERC Cyber Attack Task Force
 - DOE-NIST-NERC: Cyber Security Risk Management Process
- Next webinar date/time
 - Monday, March 21st from 2-3pm EDT





SG Simulations



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SG Simulations – Key Accomplishments

- Elected Officers

- Craig Rodine [EPRI]: co-Chair
- Mak MacKenzie [Starview]: co-Chair
- Win Cuthbert [PG&E]: Secretary

- List serv and recurring meetings set up

- Signup page:
 - <http://www.smartgridlistserv.org/cgi/wa.exe?LOGON=A0%3dOPENSG-SIMSWG&L=OPENSG-SIMSWG>
 - also visible on server home at <http://www.smartgridlistserv.org/>
- Meetings Tuesday, 11-12 Pacific Time, Bi-Weely

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SG Simulations – Next Steps

- Create Charter
- Get up and running with regular meetings
- Deliverables Defined



update



**UCA OpenSG Summer Meeting
Vancouver, BC – CANADA eh!
Host – BC Hydro (Contact David De Yagher)
July 18 – 21, 2011**



Future Meeting Dates

- July 18-21, Vancouver, BC (BC Hydro, DeYagher)
- November 14-17, Miami (FPL, Phil Slack)
- Q1 2012 TBD

Note: These are tentative dates. Please do not plan travel until you receive a registration notice.





Thank you!

Safe return!

