



UCAIug: Smart Grid Security

Webinar – May 7, 2009

→ *AMI-Sec Task Force*

→ *UtiliSec Working Group*

UtiliSec Working Group Chair:

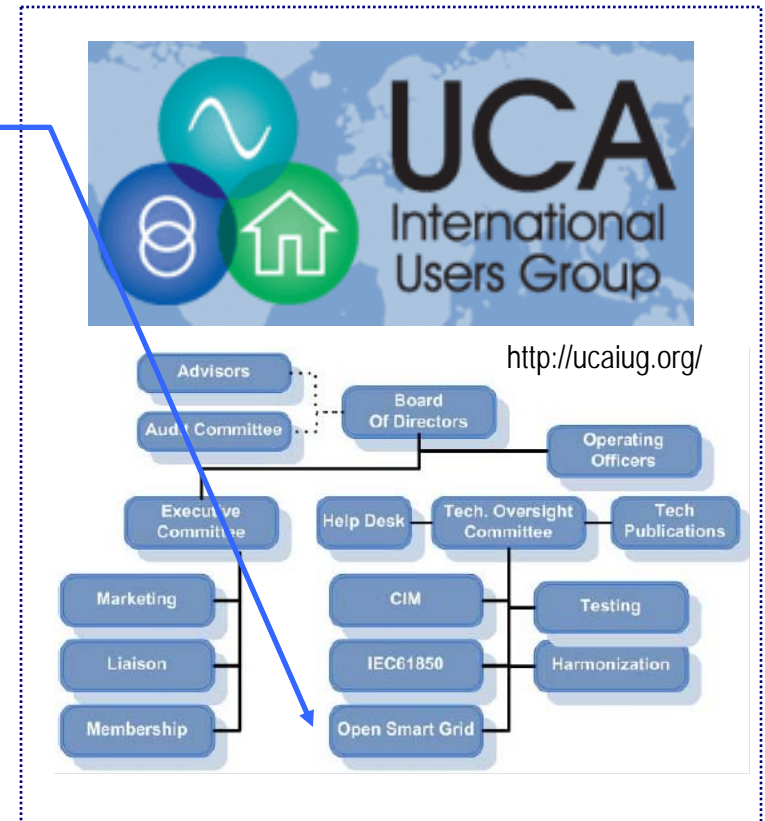
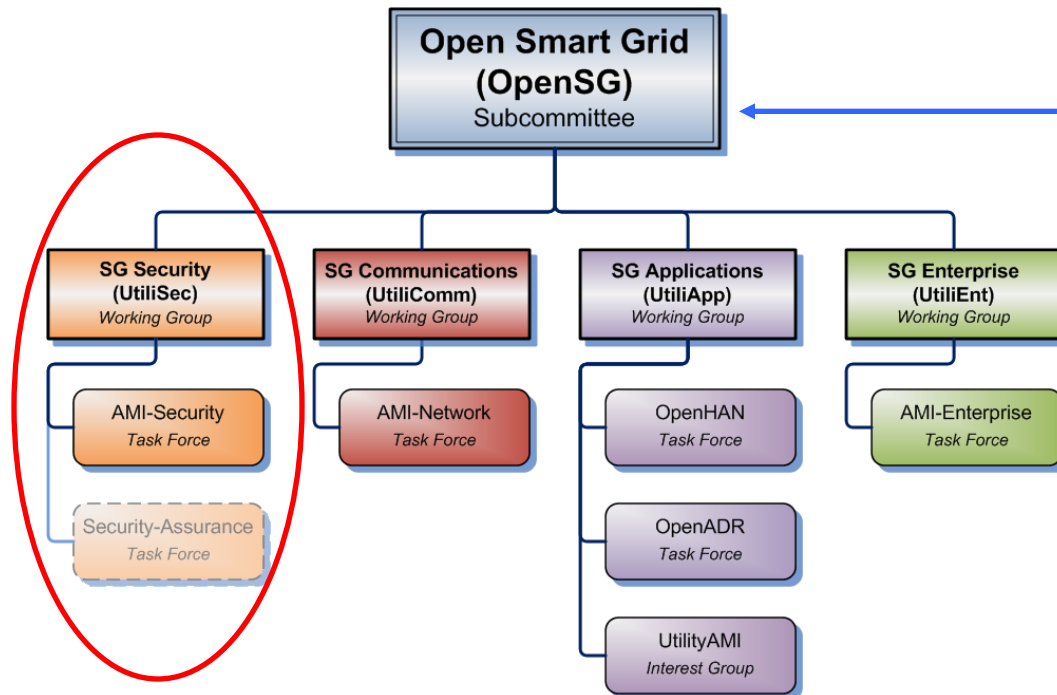
Darren Reece Highfill, CISSP

darren@sakersystems.com

Agenda

- Administrative
 - Change in procedure: assumptions about familiarity with the process
 - Vice-Chair and Secretary positions
- Organizational
 - ASAP-SG updates
 - Alignment with NIST Smart Grid Security efforts
- Technical
 - Draft AMI Security Profile
 - Draft AMI-SEC Implementation Guide
- Attendance: Please email Bobby Brown (bobby@enernex.com)

UCAIug → OpenSG → UtiliSec



- UtiliSec is focused on developing technology-agnostic requirements for securing smart grid applications
- UtiliSec necessarily coordinates closely with all other OpenSG activities

Outreach / Engagements – External

- Roadmap
 - Need volunteer to clean-up / resolve comments
 - Push to 1.0
- Need one-pager version
 - Action Item: Darren (still not done)
- NARUC
 - Teleconference briefing very well received
 - Expect to present at Seattle meeting in July
- NIST
 - Close coordination with CSCTG

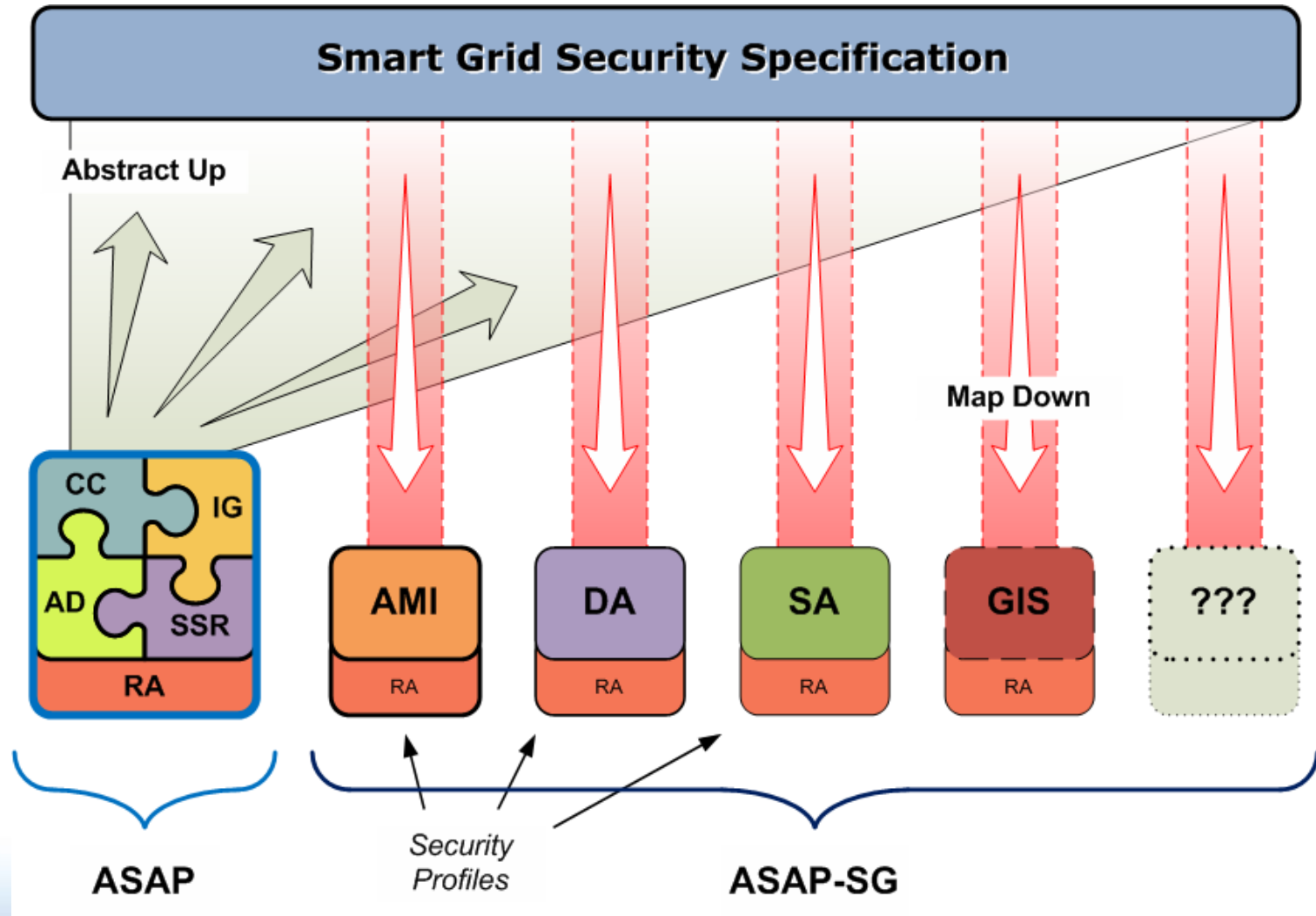
Internal Communication (within OpenSG)

- What information do we need?
 - Source (and PoC, possibly secondary with contact info)
 - Assignment of responsibility (PoC, second)
 - What is the request?
 - What service is needed (e.g., security issue)?
 - Type of request (i.e., architectural vs. engineering)
 - Background/supporting info (i.e., use cases, etc.)
 - Scope
 - Dates
 - Of hand-off
 - Response needed (relevant timelines)
 - Status of the request
- Need volunteer to assemble form

Officers

- Vice-Chair
 - Matt Carpenter, Inguardians
 - matt@inguardians.com
- Secretary
 - Bobby Brown, EnerNex
 - bobby@enernex.com
- Appointments subject to OpenSG Subcommittee approval

ASAP to ASAP-SG



ASAP-SG Objectives

1. Split the AMI-SEC SSR into:
 - Smart Grid Security Specification
 - Risk Assessments and Security Profiles for individual smart grid applications, i.e.:
 - Advanced Metering Infrastructure
 - Network Architecture
 - Distribution Automation
 - Outage Management
 - Substation Automation, etc.
2. Improve the ability for users to approach, understand, and implement the guidance for securing smart grid systems

ASAP-SG – Deliverables

1. White Paper

- Provide a compelling statement of need for ASAP-SG in the broader context of securing the smart grid

2. Smart Grid Security Specification

- Provide an understandable and user-friendly framework, set of tools, and methodology required to derive and apply smart grid domain-specific security profiles

3. Risk Assessments and associated Security Profiles (RA/SPs)

- Provide prescriptive, actionable guidance for how to build-in and implement security for smart grid functionality

4. Usability Analysis

- Separate team will evaluate the SGSS and RA/SPs, focusing on analyzing usability of the security profiles



ASAP-SG

- Resources
 - Architectural Team
 - Key utility experts, consultants, SEI, national labs
 - Administrative Support
 - Tech writers, marketing/logistical, project management
 - Utility Domain Experts
 - Utility managers involved in smart grid efforts
 - Vendor Domain Experts
 - Validate deliverables through participation in Usability Analysis team
- Contact Bobby Brown (bobby@enernex.com)

Technical Discussion

- Draft AMI Security Profile
- Draft AMI-SEC Implementation Guide

Planning and Future Logistics

- Next Telecons
 - May 28
 - June 18
 - July 2* (two week span)
- July 14–16, 2009
 - AEP - Columbus
- October 20–22, 2009
 - EnerNex/EPRI – Knoxville
- January 5–7, 2010
 - FPL – Miami





Questions?



darren@enernex.com

AMI-SEC Collaboration Site
<http://osguq.ucaiug.org/utilisec/amisec>