

Advanced Security Acceleration Project for Smart Grid (ASAP-SG)

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ASAP-SG Summary

▶ Advanced Security Acceleration Project – Smart Grid

▶ Description:

- Utility-driven, public-private collaborative project to accelerate the development of system-level security requirements for Smart Grid technology

▶ Needs Addressed:

- **Utilities:** specification in RFP
- **Vendors:** reference in build process
- **Government/Regulatory:** assurance of infrastructure security
- **Commissions:** protection of public interests

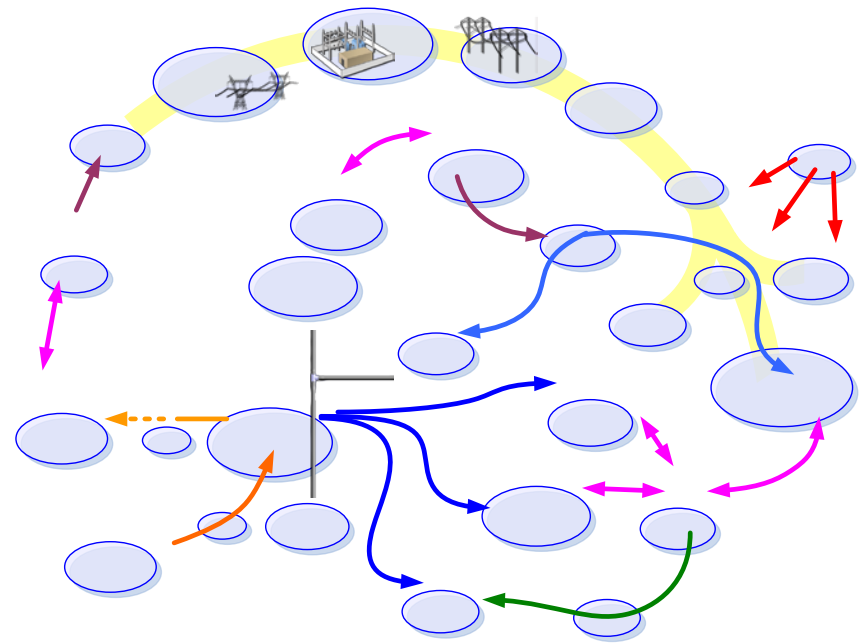
ASAP-SG

▶ Purpose

- Accelerate utility security requirements development
- Support the activities of NIST, SG Security and SDOs

▶ Participants:

- Utilities, regulators, vendors, consultants, national laboratories & academia



Status

- ▶ Strategy & Guiding Principles – Completed
- ▶ Security Profile Blueprint – Completed (Maintained)
- ▶ AMI Security Profile – Completed
- ▶ Third-party Data Access – (80%) Deliver draft to UA Team and NIST Feb. 3rd
- ▶ Distribution Automation – To start Feb. 4
- ▶ Phase 2 Security Profiles starting June 2010

Issues

- ▶ Address protection customer privacy
- ▶ Design requirements/Use Cases for Smart Grid applications immature and evolving
- ▶ Sharing of information between stakeholders
- ▶ Industry and government coordination

Get Involved

- ▶ Every significant policy statement or comment about Smart Grid has identified security as a top concern
 - DOE, NARUC, FERC, NERC, Congress, White House...
- ▶ Government is backing its position with DOE's commitment to ASAP-SG
 - DOE covering 50% of project budget
- ▶ Project feeds NIST Interoperability Framework, SG Security and SDOs
 - NIST CSCTG: Utilities help develop or it will be done for them
- ▶ Utility support is needed

(Current utilities: American Electric Power (AEP), Con Edison, Consumers Energy, Florida Power & Light and Southern California Edison have provided initial funding & resources)

Radar Screen

- ▶ Private–Public Collaboratives – ASAP–SG, Lemnos, ...
- ▶ UCA OpenSG – for low–level requirements; vetting of standards
- ▶ NIST – High–level requirements and guidance
- ▶ DOE – Energy Sector Strategic Roadmap
- ▶ DHS – High–level Infrastructure Protection Planning
- ▶ NERC – Infrastructure Protection Standards

Innovation & Standards

“We can't solve problems by using
the same kind of thinking
we used when we created them.”

~ Albert Einstein



Security as Enabler



Questions?

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