Smart Grid Interoperability Panel 101

Smart Grid Testing and Certification Committee

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The mission of the SGTCC is to coordinate creation of documentation and organizational frameworks relating to compliance testing and certification to Smart Grid (SG) interoperability and cyber security standards.

- Incorporation of attributes adopted and established by legislation, regulations, industry recognized standards working groups and business best practices
- Establishment of a baseline which can readily mature over time in concert with field deployments
- Recognition of versioning and backward compatibility, and coordinate feedback to and from the recognized industry standards groups, legislators and regulators for consideration in future activities
SGIP SGTCC Membership

Chair: Rik Drummond, Drummond Group
Vice Chair: Dean Prochaska, NIST

John Adams, Honeywell
David Alderman, NIST
Peter Cain, Agilent
Kent Dickson, Tendril
Kent Donohue, Underwriters Laboratories
Greg Ennis, WiFi Alliance
Chris Held, GE Energy
Donny Helm, Oncor
Mladen Kezunovic, Texas A&M
Zahra Makoui, PG&E
James Mater, Quality Logic
Gary McNaughton, Cornice Engineering
Mark Ortiz, Consumers Energy
Tobin Richardson, Zigbee Alliance
Rudi Schubert, IEEE
Ravi Subramaniam, MET Labs
Tim Worthington, GE Energy
Tony Youssef, Cisco Systems

http://collaborate.nist.gov/twiki-sggrid/bin/view/SmartGrid/SmartGridTestingAndCertificationCommittee
SGIP SGTCC Roadmap

Roadmap for T&C (3/31/2010)

– a mission statement
– a list of objectives
– a terminology deliverable (lexicon)
– a Smart Grid standards “test readiness” and prioritization of interop test issues, including a detailed work plan
– a Lab Qualification Criteria investigation
– a Smart Grid testing economic justification position paper
– work to build test community users groups
Develop a Framework for T&C (under development)

- Qualification criteria for development of test reports
- Qualification criteria for issuing certification documents
- Example processes (Use Cases) and documentation associated with testing and certification activities which can mature over time and in concert with in-the-field deployments and technology evolution
- Example processes which can be used in providing feedback, including best practices, to the various industry recognized standards groups, vendors, legislators and regulators to improve standards and conformance documentation (test reports and certifications)
- Definitions of gaps which can be used to identify and communicate the need for additional working groups in support of interoperability standards development, testing and certification
SGIP SGTCC Activity Inputs

- NIST Special Publication 1108, NIST Framework and Roadmap for Smart Grid Interoperability Standards, Release 1.0
- Standards Landscape (Administrator)
- Standards Information in Interoperability Knowledge Base (SSO Leadership)
SGIP SGTCC Organization

• How to get involved?

Join a working group

• Document Review Team
• IPRM
• Laboratory Qualification Criteria
• Priority Interoperability Issues

TWiki: http://collaborate.nist.gov/twiki-sggrid/bin/view/SmartGrid/SmartGridTestingAndCertificationCommittee

Listserv lists:
– http://www.smartgridlistserv.org/