



Workshop on Smart Grid Interoperability Testing and Certification July 9, 2018

Co-Located with the Smart Electric Power Alliance (SEPA) Grid Evolution Summit,
Washington Hilton, 1919 Connecticut Avenue N.W., Washington, DC 20009

AGENDA (preliminary)

Monday, July 9, 2018

8:00 am	REGISTRATION
9:00 am	OPENING PLENARY SESSION <ul style="list-style-type: none">• Welcome and Overview of Smart Grid Interoperability Framework 4.0 ~Avi Gopstein, NIST• Workshop Overview ~ Cuong Nguyen, NIST
9:15 am	KEYNOTE <ul style="list-style-type: none">• Jason Handley, Duke Energy
9:45 am	PANEL SESSION: VALUE PROPOSITION FOR TESTING & CERTIFICATION (T&C) Moderator: Bill Colavecchio, Underwriters Laboratory <ul style="list-style-type: none">• Interoperability Profiles for Building Automation: Ron Bernstein, RBCG Consulting• Test Program Development: Ravi Subramaniam, IEEE Conformity Assessment Program• Testing Needs for Reliability: Bob Cummings, NERC (invited)• Asset Deployment: Hawaiian Electric Company (invited)
10:45 am	BREAK
11:00 am	BREAKOUT SESSION 1: CHALLENGES FOR INTEROPERABILITY T&C <ul style="list-style-type: none">• Overview of Case Studies (IEEE 1547/Rule 21 and/or Open FMB) ~ Cuong Nguyen, NIST• Facilitated Discussion: Why isn't T&C currently working for interoperability at the needed levels? Why aren't T&C components integrated in more interoperability standards?
12:15 am	LUNCH (ON YOUR OWN)
1:30 pm	BREAKOUT SESSION 2: INTEROPERABILITY PROFILES FOR T&C PROGRAM DEVELOPMENT <ul style="list-style-type: none">• Interoperability Profiles ~ Cuong Nguyen, NIST• Facilitated Discussion: What are the key interoperability profile elements that will enable T&C programs?
2:45 pm	BREAK
3:00 pm	BREAKOUT SESSION 3: PRIORITY INTERFACES FOR T&C PROGRAM DEVELOPMENT <ul style="list-style-type: none">• Communications Pathway Scenarios and Interfaces ~ Avi Gopstein, NIST• Facilitated Discussion:<ul style="list-style-type: none">— Given the communication scenarios, what critical interfaces do we want to see T&C form around? Consider interfaces between customer assets within the domain; customer or third-party assets across domains; inter-domain observability to/from utility; inter-domain controllability to/from utility; utility devices across domains; and others.— What will encourage/enable development/buy-in for an interoperability T&C program? Should T&C/standards be incorporated into regulation or procurement language? Is specificity sufficient or do we need other drivers? Are market conditions creating challenges for T&C?
4:30 pm	REPORT OUTS AND NEXT STEPS
5:00 pm	ADJOURN