



SAVE THE DATE: 9 AUGUST 2017

**IEEE 1547™ DER Interconnection
with Electrical Power Systems**

**A Standards and Conformity
Assessment Workshop**

Hosted by: IEEE and North American Electric
Reliability Corporation (NERC)

Date: 9 August 2017

Time: 8:30AM-5:00PM

Location: NIST, 100 Bureau Drive, Gaithersburg, MD 20899

To obtain more information about this workshop, please contact [Bill Ash.](#)

About the Workshop

Are you a part of a state commission that has oversight over Distributed Energy Resources (DER) integration in your jurisdiction? Are you a utility starting to plan DER penetration? Are you a DER asset owner? Are you a transmission energy resource integrator? Due to the increasing amount of DER interconnections with the Electric Power System, the IEEE 1547™ standard is going through a major revision to address some of the technical issues associated with high penetration of DERs- i.e., grid support functionalities, etc. This Distributed Energy Resources workshop will introduce the [IEEE 1547™, Standard for Interconnecting Distributed Energy Resources with Electric Power Systems](#), discuss transmission level integration, and certification and commissioning.

The participants will learn about the major changes to the IEEE 1547™, i.e., voltage regulation, response to abnormal system conditions (including voltage and frequency ride through), power quality, islanding, interoperability, etc.

NERC will present the recent report generated by the joint NERC and Western Electricity Coordinating Council task force. Their investigation of an event, for the Western Interconnection, resulted in the loss of approximately 1,200 MW of photovoltaic (solar) generation. The discussions will cover the task force finding in the 1,200 MW Fault-Induced Solar Photovoltaic Resource Interruption Disturbance Report, which found that inverters are susceptible to tripping during transients generated by faults on the power system. The participants will also learn about utility concerns/solutions to adopt the revised IEEE 1547™ standard. In addition, participants will learn the impact and considerations for those having jurisdiction. Attendees will also gain a better understanding of the difference between a type test and a commissioning test as defined in the IEEE 1547.1™ standard.

Who Should Attend:

- Regulators
- Commission Staff
- Utilities
- DER Asset Owners
- Equipment Vendors
- Test Engineers

Topics Include:

- Education on IEEE 1547™, Standard for DER Interconnection for Distribution Systems.
- Transmission level DER integration and some real-time data on outages and field issues.
- DER conformity assessment based on IEEE 1547.1™ - includes type testing of inverters, commissioning tests and periodic interconnection/lifecycle testing

Speakers:

Babak Enayati, National Grid, Co-Chair IEEE 1547™ Revision

Bob Cummings, NERC

Ravi Subramaniam, IEEE