Technical Workshop on Power Plant Model Verification and Testing

Workshop Announcement
September 20, 2016 | 8:30 a.m. – 5:00 p.m. ET
September 21, 2016 | 8:30 a.m. – 5:00 p.m. ET

The NERC Synchronized Measurement Subcommittee (SMS) will host an industry workshop on Power Plant Model Verification and Testing on September 20-21, 2016 at the DoubleTree by Hilton – Buckhead in Atlanta, GA.

The conference will bring together electric utility industry Transmission Planners & Operators, Generator Owners & Operators, power plant equipment manufacturers, and subject matter experts in the areas of power plant testing, dynamic performance, and modeling. Key workshop focus areas include:

- Fundamentals of power plant dynamic behavior and their impact on grid stability and simulations
- Plant performance capabilities – developments and future trends in power plant construction and control technologies
- Baseline testing procedures and parameter derivation
- Current state of power plant modeling
- MOD-025, MOD-026, and MOD-027 NERC Reliability Standards
- Disturbance-based model verification using measurement data
- Available tools and practices for ensuring model accuracy
- Reliability impacts and improvements through baseline testing and disturbance-based performance monitoring

Power plant performance and model verification are becoming increasingly important yet complex topics as technology continues to evolve. Models of power plant dynamic behavior are used to plan and operate the system reliably. The goal of this workshop is to provide the electric utility industry with material related to power plant performance and testing, an understanding of power plant modeling, available tools and practices, and to develop a path forward for improved power plant modeling.

As the electric reliability organization (ERO), NERC is committed to continuous learning and improvement of bulk power system reliability.

For more information or assistance, please contact Ryan Quint.