

NASPI Performance Requirements, Standards & Verification Task Team

James (Jim) O'Brien

Duke Energy, Transmission Standards, USA



The 2nd IEEE International Conference on Smart Grid Synchronized Measurements and Analytics (SGSMA) Virtual Event | May 24-27, 2021

Performance Requirements, Standards & Verification Task Team

- System requirements and monitoring
- Standards and guidelines development and coordination
- Migration between versions of standards and interaction with standard-setting bodies
- Performance requirements for data exchange
- System interoperability and compatibility testing, conformance, and certification



The 2nd IEEE International Conference on Smart Grid Synchronized Measurements and Analytics (SGSMA) *Virtual Event* | May 24-27, 2021

PRSVTT Mission Statement

- The PRSVTT is a group of professionals from utilities, academia, manufacturers and government. Our aim is to help the adoption of phasor measurement technology through standardization. We provide a forum for discussing, developing and monitoring requirements. We identify areas where synchrophasor technology would benefit from guidelines and standards. We coordinate the development of these guidelines with other NASPI task teams and, as appropriate, migrate those guides to IEEE Power & Energy Society (PES) Working Groups.



The 2nd IEEE International Conference on Smart Grid Synchronized Measurements and Analytics (SGSMA) *Virtual Event* | May 24-27, 2021

Performance Requirements, Standards & Verification Task Team Activities

- IEEE Standards Activity Updates
- Survey of instrument transformers connected to installed PMUs
- 3 white papers related to Analyzing PMU performance requirements for Synchrophasor based Control Applications
 1. Survey of Existing PMU applications Around the World and Classification
 2. Analyzing Synchrophasor Performance Requirements for Synchrophasor based Control Applications
 3. Data Quality Impacts on Synchrophasor based Control Applications



The 2nd IEEE International Conference on Smart Grid Synchronized Measurements and Analytics (SGSMA) *Virtual Event* | May 24-27, 2021



- jim.o'brien@duke-energy.com