

NERC

NORTH AMERICAN ELECTRIC
RELIABILITY CORPORATION

Synchronized Measurement Working Group Update

Tim Fritch, SMS Chair
Frankie Zhang, SMS Vice-Chair
NASPI Meeting
4-15-2021

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- Currently developing template for reports to be utilized by industry documenting oscillation events
 - Provides mechanism for awareness on current oscillation modes and who they may impact
 - Lessons learned that can be shared among utilities and build expertise within the industry
 - Standardizes documenting oscillation events to ensure all needed information is captured for events
- Finalizing white paper for Oscillation Monitoring and Analysis
 - Recommendations on how to develop thresholds for alarming
 - Methods to determine and validate mitigation actions for local and system issues
- Identified Source of 0.5 Hz oscillation in NYISO area
 - Initially identified in spring of 2020.
 - NY ISO, NE-ISO, and IESO collaborated on reviewing data to identify source
 - Newly commissioned Combined Cycle steam unit valve chattering causing oscillation
 - Great example of collaboration on identifying source!

- April 22-23 SMWG Meeting (Virtual)
 - Task Updates and Review
 - Oscillation Report
 - White Paper: Oscillation Monitoring and Analysis
 - Inertia monitoring
 - Realtime LSE Project
 - Plant Oscillation During Fuel Switching
 - ISO PMU requirements
 - Utility Updates on Synchrophasor Efforts

- November 18 - 19??



Questions and Answers