Synchronized Measurement Working Group Update

Tim Fritch, SMS Chair
Frankie Zhang, SMS Vice-Chair
NASPI Meeting
4-15-2021
• 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
    o Oscillation Report
    o 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