

NASPI Work Group Meeting Control Room Solutions Task Team (CRSTT) Report

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CRSTT Breakout Session Highlights

- I. Provided NASPI status update
- II. Reviewed NASPI vision and mission
- III. Discussed CRSTT vision and mission (draft)
- IV. Reviewed CRSTT priorities, focus areas and related tasks (including application template)
- V. Provided input on NERC Human Performance Factors Conference presentation
- VI. Reviewed first set of five video event files

CRSTT Vision and Mission (Final Draft)

- **Vision** – fully integrate real-time synchrophasor applications into daily control room operations with clearly defined operating limits, policies and procedures that provide wide-area situational awareness and enhanced grid reliability.
- **Mission** – work collectively with other NASPI task teams to advance the use of real-time synchrophasor applications for the purpose of improving control room operations and grid reliability. This team will utilize its experience and regional diversity to provide advice, direction, support and guidance to NASPI stakeholders involved in the development and implementation of real-time synchrophasor applications.

CRSTT Priorities

- Advance synchrophasor applications in the control room
- Provide guidance on best practices
- Identify issues that impede implementation
- Ensure application training is available to end users and promote operational event analysis to demonstrate value

Advancing Synchrophasor Apps – Focus Areas (Next Steps)

- Enhanced State Estimation
 - Linear State Estimation (Jones, Thomas – Dominion Virginia Power)
 - Hybrid State Estimation (Frankeny – MISO)
- Post-Contingency Phase Angle Alarming
 - (Cassiadoro – Utilicast, Chanoski – NERC)
- Oscillation Detection
 - (Dyer – Electric Power Group, Blevins – ERCOT)

Advancing Synchrophasor Apps – Focus Areas (Next Steps)

- System Islanding Detection
 - (Galvin, Kleitsch – ATC)
- Determining Disturbance Locations
 - (Dyer – Electric Power Group)
- Power Swings Resulting from Human Events
 - (Chanoski – NERC)

CRSTT Task List

- Develop documents that summarize the use of synchrophasor data and identify best practices in each focus area (draft documents discussed at March 2014 NASPI Meeting and to be completed by October 2014 meeting)
- Build a video library of events to demonstrate the value of synchrophasor data when analyzing disturbances that impact the electric power system (first videos files reviewed at March 2014 NASPI Meeting)

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