

# Control Room Solutions Task Team

NASPI Spring Work Group Meeting  
4/14/2026

Co-leads:

Kliff Hopson – Bonneville Power Administration

Mike Nugent – Nextera Energy Transmission

# Agenda

- Control Room Solutions Task Team (CRSTT) Overview
- ComEd's Voltage Contouring Using Synchrophasors for Real-Time Monitoring in Control Room – Backer Abu-Jaradeh (Electric Power Group)
- Situational Awareness-Driven Control in the KEPCO WAMAC System Phase 1: From Parameter Identification to Active Grid Actuation – Minhan Yoon (Kwangwoon University/ Visiting Scholar, University of Tennessee, Knoxville (UTK))
- NASPI Role-Based Training Update

# Agenda (continued)

- SMWG Roadmap for Integrating Synchrophasors into Operations – Clifton Black
- Real-Time Stability Monitoring SAR Task Force – Whitepaper Review
- CRSTT Future Activities Discussion
- Roundtable Discussion

# CRSTT Mission Statement

The Control Room Solutions Task Team's (CRSTT's) mission is to work collectively with other NASPI task teams to advance the use of real-time synchronized measurements 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 and other organizations involved in the development and implementation of real-time synchronized measurement applications.

# CRSTT Work Plan

## **This team's priorities are to:**

1. Work directly with grid operators and electric utilities to identify and help resolve issues that are impeding the implementation of synchrophasor-based applications in the Operations Horizon.
2. Develop documentation that defines the safety, reliability and economic benefits that synchronized measurement technology provides.
3. Recognize and share industry best practices.
4. Support the design, development and delivery of synchronized measurement application training for end users.
5. Promote operational event analysis to demonstrate the value of synchronized measurement technology.

# ComEd's Voltage Contouring Using Synchrophasors for Real-Time Monitoring in Control Room

Backer Abu-Jaradeh (Electric Power Group)

# Situational Awareness-Driven Control in the KEPCO WAMAC System Phase 1: From Parameter Identification to Active Grid Actuation

Minhan Yoon (Kwangwoon University/ Visiting Scholar, University of  
Tennessee, Knoxville (UTK))

# NASPI Role-Based Training (Operations)

Farrokh Aminifar (Danovo Energy Solutions)



# SMWG Roadmap for Integrating Synchrophasors into Operations

Clifton Black – Chair, NERC SMWG

# Real-Time Stability Monitoring SAR Task Force – Whitepaper Review

Task Force Leaders:

Kevin Ostash - [kjostash@hydro.mb.ca](mailto:kjostash@hydro.mb.ca)

Jared Tarr - [jtarr@hydro.mb.ca](mailto:jtarr@hydro.mb.ca)

Marianna Vaiman - [marvaiman@vrenergy.com](mailto:marvaiman@vrenergy.com)

Dr. Mani Venkatasubramanian - [mani@wsu.edu](mailto:mani@wsu.edu)

Mike Nugent - [michael.nugent@nexteraenergy.com](mailto:michael.nugent@nexteraenergy.com)

# CRSTT Future Activities Discussion

# CRSTT Potential Future Activities

- Update industry survey of control room/operations usage of synchronized measurements/PMUs
- Review/Update existing CRSTT reference documents
- Create whitepaper/reference documents for current or emerging industry topics
  - Battery Storage, IBRs
  - Data Centers/Large Loads
- Knowledge sharing, best practices, etc..
- Other ideas?

# Control Room Solutions Task Team

## Contact Info

Kliff Hopson (BPA) – Co-lead - [cbhopson@bpa.gov](mailto:cbhopson@bpa.gov)

Mike Nugent (NextEra) – Co-lead – [michael.nugent@nexteraenergy.com](mailto:michael.nugent@nexteraenergy.com)