

# Control Room Solutions Task Team Monthly Meeting

June 22, 2021



# Agenda

- Introductions
- CRSTT Work Plan Status Update
- System Inertia Monitoring Ops Use Case development
- Update on Time-Synchronized Measurements Training
- Potential panel session on real time uses of the data at the Fall NASPI meeting

# CRSTT Work Plan

The updated work plan has been posted to the NASPI web site. (Thanks for the help teresa!) Link follows:

[CRSTT Work Plan |  
North American  
SynchroPhasor Initiative  
\(naspi.org\)](https://www.naspi.org)



## 1 Introduction

This document defines the CRSTT's mission, priorities and goals, and planned activities for 2021.

The CRSTT will review and update this plan annually to ensure a common understanding of the team's purpose and direction.

## 2 Mission Statement

This task team'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.

## 3 Priorities and Goals

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.

This team's goals are to:

1. Develop a series of operational use cases that define how grid operators and electric utilities can use synchronized measurement data to provide operational value.
2. Create additional video event files for use cases and simulated events.
3. Gather operator feedback on synchronized measurement applications (best practices).
4. Support the design, development and delivery of synchronized measurement-related training for operations staff.
5. Develop a series of Lessons Learned documents related to the use of synchronized measurement technology in the operations environment.

# System Inertia Monitoring Ops Use Case

**Title:** Use of Time-Synchronized Measurements for System Inertia Monitoring

## **Primary Objectives:**

- Identify traditional methods used by grid operators and electric utilities to monitor system inertia.
- Consider significant changes taking place as a result of grid modernization.
- Explain how time-synched measurements can be used to monitor actual inertia levels.
- Describe how these measurements can be used by System Ops staff to manage risk and identify potential stability issues before they occur.

# Time-Synched Measures Training Update

**2019:** TRS and PNNL collaborated to develop a *Use of Time-Synchronized Measurements in the Real-time Operations Horizon* training course (8 CEH).

**2020:** TRS and PNNL began developing a *Time-Synchronized Measurements Simulation Training* course (8 CEH).

**2021:** TRS and PNNL to finish developing *Time-Synchronized Measurements Simulation Training* course and create a “train-the-trainer” video for interested parties. (Still in progress)

# Potential Fall NASPI Panel Session

- Desire to provide an update to the community on real time uses of synchrophasor data to support reliability/control room functions
- Proposing a panel session approach with operations personnel presenting and commenting on how they are using the data
- Contacted 16 entities so far - 9 responded and 4 expressed an interest in participating on the panel
- Still early in planning stages and continuing to look for people who can support the effort so let us know if you're interested

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If you want to be added to the CRSTT or DisTT email list or have questions about the NASPI website please contact [teresa.carlon@pnnl.gov](mailto:teresa.carlon@pnnl.gov)

# Distribution Task Team Monthly Meeting

June 22, 2021





# DisTT Agenda

- Discussion/roundtable

# NASPI Reminders

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- NASPI Webinar June 30, 10:00am PT/1:00pm ET. System Inertia Monitoring – Speaker: Ian Dytham, National Grid Electricity System Operator System Inertia Monitoring (details here: <https://www.naspi.org/node/898>)
- Save the date! NASPI Work Group Meeting October 5-7, 2021.



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