

Control Room Solutions Task Team (CRSTT) Minutes

Co-leads, Michael Cassiadoro (mcassiadoro@totalreliabilitysolutions.com) and
Jim Kleitsch (jkleitsch@atcllc.com)

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Attendees – See below. Call led by Mike.

Action Items

- **Teresa:** setup test skype meeting with Jim Kleitsch.
- **Teresa:** to post the *CRSTT work plan* document on the CRSTT webpage under the mission statement.
- **NDR and Mike** will take another look at updating the Phase Angle Monitoring spreadsheet and possibly update the paper in an effort to keep the CRSTT documents current. ([Download](#) the paper).
- **NDR** to check with Peak on sharing an event video – in progress.
- **Tom** will reach out to Allen Goldstein (NIST) for possible coordination.
- **Mahendra** will reach out to the PRSVTT on task team collaboration.
- **All:** Mike is looking for people willing to serve on a panel at the Oct. 2018 NASPI WG mtg. in Philly to discuss specific uses of synchrophasor technology in the control room (e.g., enhanced state estimation, oscillation detection, etc.). If you are interested, please let Mike know.
- Use Case Document spreadsheet ([Download](#)).

Meeting Notes

- [Download](#) the NASPI Work Group meeting presentations.
- Reviewed the agenda from the ABQ CRSTT breakout session. Main takeaway, discuss opportunities for CRSTT to coordinate with other industry bodies. Next CRSTT breakout session will be more of a working session.
- Focus area documents; in progress Determine Disturbance Locations survey responses were due April 30, 2018. NDR will provide an update on the paper on next month's CRSTT call. Thank you to all of those who have responded to the survey. The goal would be to present the paper during the fall NASPI Work Group meeting in Philly.
- Video event files will still be maintained. If you would like to share an event please contact either Mike, Jim, or Teresa for assistance.
- Mike is looking for people willing to serve on a panel for synchrophasor use in the control room at the next NASPI Work Group in Philly. If you are interested, please let Mike know.
 - Need: standard synchrophasor data set(s) that is accessible to users to run through their oscillation detection tools. Useful in comparing different systems, robustness, algorithms, etc.
 - Who is doing enhanced state estimation and yes, it is in front of our control operators?
 - Should we coordinate with another task team (e.g. PRSVTT)?

CRSTT Goals

- Develop a series of use case summary docs that define how grid operators and electric utilities are using synchrophasor data to provide operational value.
- Prioritize and complete the remaining focus area documents.

- Create additional video event files for use cases and simulated events.
- Gather operator feedback on synchrophasor applications (best practices).
- Support the development of synchrophasor-related training for operations staff.
- Develop a series of Lessons Learned documents related to the use of synchrophasor technology in the operations environment.

Next conference call: June 20, 2018 at 12:30pm PT/3:30pm ET.

Reference Documents (also posted on the NASPI CRSTT web page).

[NASPI CRSTT web page](#) (Videos, use cases, reference documents, and call notes).

[Using Synchrophasor Data for Oscillation Detection](#)

[Using Synchrophasor Data for Phase Angle Monitoring](#)

[Using Synchrophasor Data for Voltage Stability Assessment](#)

[Using Synchrophasor Data during System Islanding Events and Blackstart Restoration](#)

[Using Synchrophasor Data to Diagnose Equipment Health and Misoperations](#)

[EA001 - Using Synchrophasor Data to Analyze Fault Event Causes](#)

[EA002 - Using Synchrophasor Data to Analyze Concurrent Fault Events](#)

[EA003 - Using Synchrophasor Data to Identify a Failing Potential Transformer](#)

[EA004 - Using Synchrophasor Data to Identify System Voltage Oscillations](#)

[Use Case: GEN-03 – Automatic Voltage Regulator \(AVR\) Malfunction](#)

[Use Case: GEN-05 – Nuclear Plant Voltage Oscillations](#)

Attendees

Bryn Wilson

Dayna Aronson

James Kleitsch

Mahendra Patel

Mark Albright

Matthew McDavid

Mike Cassiadoro

Scott Woodbury

Teresa Carlon

Tom Rizy

Yi Hu