

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 Cassiadoro.

Action Items

- Determining Disturbance Locations Survey – update, share with CRSTT, and other TT leads then send out to industry.
- 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.
- Teresa to post link to Use Case Document spreadsheet ([Download](#)).
- New CRSTT Goal discussed: Benchmarking industry use of synchrophasors in the control room.
- Mike: put language together supporting utilities that assist in the development of business cases; justifying cost, demonstrating the value for developing applications in the control room, etc.
- Registration for the NASPI Work Group meeting increases on March 26. If you are attending and have not registered please do so to avoid the late fee (<https://www.naspi.org/work-group-meetings>).

Meeting Notes

- Focus Area Documents have been in progress for about three years. The first 3 on the list have been completed and posted on the NASPI web site.
 - Enhanced State Estimation Survey – the survey was completed in lieu of the Enhanced State Estimation paper, survey results were received and a preliminary report was prepared. CRSTT felt that some responders might not have fully understood the questions and therefore further analysis of data is needed. Unsure if paper will be completed at this point.
 - Completed - [Using Synchrophasor Data for Oscillation Detection](#) – paper has been posted on the NASPI website.
 - Determining Disturbance Locations – NDR leading effort, in progress.
 - Using Synchrophasor Data to Monitor Reactive Power Balancing – Marianna has volunteered to help in this area.
- CRSTT [video events library](#) will continue to grow.
- More use case documents are planned. CRSTT has permission to reference ERCOT's use case.
- NDR/Mike will update the Determining Disturbance Locations survey based feedback from the call attendees, and then circulate the survey to the CRSTT for broader comment. After comments have been received and addressed NDR will send survey to the industry in parallel with the NASPI LT.
- Reviewed the [mission](#), objectives, and goals of the CRSTT. If you have any comments please send them to Mike Cassiadoro.
 - Mike discussed removing the word “utilize.” In professional writing the word “utilize” is not proper. Instead “use” should be used. “Improving” control room operations and grid reliability... should we reword this sentence?
 - Reviewed CRSTT objectives. Feedback welcome from the team.

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: March 21, 2018 at 12:30pm PT/3:30pm ET.

Reference Documents

[NASPI CRSTT web site](#) (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](#)

Attendees

Alex Ning

Anurag Srivastava

Bill O'Brien

Brent Blanchard

Frank Tuffner

James Kleitsch

John Stubban

Khalid Yousif

Mahendra Patel

Mark Albright

Mike Cassiadoro

Pramila Nirbhavane

Sarma Nuthalapati

Slava Maslennikov

Teresa Carlon

Tom Rizy