



## June 23, 2020 - Combined CRSTT/DisTT Call Notes

### Control Room Solutions Task Team (CRSTT)

Co-leads, Michael Cassiadoro  
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and Jim Kleitsch ([jkleitsch@atcllc.com](mailto:jkleitsch@atcllc.com))  
Email list address: [naspi-taskteam-controlroom@lyris.pnnl.gov](mailto:naspi-taskteam-controlroom@lyris.pnnl.gov)

### Distribution Task Team (DisTT)

Co-leads, Sascha Von Meier  
([vonmeier@berkeley.edu](mailto:vonmeier@berkeley.edu)) and  
Dan Dietmeyer ([DDietmeyer@semprautilities.com](mailto:DDietmeyer@semprautilities.com))  
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Teresa Carlon, NASPI support and website and listserv contact ([teresa.carlon@pnnl.gov](mailto:teresa.carlon@pnnl.gov))

### Attendees

Roll call – see list below. Call led by Sacha and Mike.

### Action Items

- NASPI webinar series; our next webinar will be by **July 29 with Matt Rhodes and Dan Brancaccio**. [Learn](#) more about this webinar and how to register.
- Reactive Power Balancing paper; remove from Focus Area document list.
- Using Synchrophasor Data for Phase Angle Monitoring - NDR suggested we take this off our list and come back to this in early 2021.
- Reza has done some work on wildfire mitigation and Sascha suggested he could share what he has done with the DisTT.
- Teresa set up a Use Case “working” document on Google Docs. Anyone with this link can edit the document:  
<https://drive.google.com/file/d/1t1ms1RGVmkRNSmAljf5hEYh6RpkRH47v/view?usp=sharing>

### CRSTT

- Mission, goals, and objectives can be found on the CRSTT [webpage](#). Feel free to reach out to Mike or Jim with any questions you might have on this topic.
- Reviewed May’s meeting minutes (download [here](#)).
  - Brief summary of highlights from May
    - Phase Angle Monitoring paper; limited responses. If you would like to contribute, please reach out to NDR ([ndrsarma@ieee.org](mailto:ndrsarma@ieee.org)).
    - Reactive Power Balancing paper; will be removed from the Focus Area Documents list and will be transitioned to an operational use case(s). Will remove from Focus Area documents.
    - Time-Synched Measures Training Update (TRS and PNNL collaboration); propose strategy and approach to engage industry to develop ops use cases. Come up with simulation-based training to grid operators and electric utilities going forward, focused on use cases, closed out by NDR leading a brainstorming session to discuss preparation addressing generation profiles and how synchrophasor can provide value.

- Using Synchrophasor Data for Phase Angle Monitoring - NDR suggested we take this off our list and come back to this in early 2021.
- Enhanced State Estimation Survey (Vaiman/Kleitsch) – preliminary responses received; more analysis needed.
- Video event files; Anurag would like the sanitized data used for the video events file.
  - January 11, 2019 Line Trip Event: <https://www.youtube.com/watch?v=nS1aFHRa1e4>
- Use Case Documents; develop documents that demonstrate ways that grid operators and electric utilities are using synchrophasor data to provide operational value.
- Time-Synched Measures Training Update; TRS and PNNL to build on existing training by development a Time-Synchronized Measurements Simulation Training course. Strategy and approach: engage industry, focus on reliability-related tasks, apply consistent structure, present all pertinent information, and introduce enhanced visualizations.
- If we are going to be spending our time focusing on operational use cases what type of events should we cover? Brainstorming session;
  - Mike – wildfire mitigation is on the list.
  - Bryce – topology identification from a system operator perspective, understanding how the grid is configured at ~ millisecond granularity, will be key long term for topology awareness. Sascha added this topic has strategic relationship with wildfire mitigation – may be looking at future scenarios of operating distribution circuits with more active configurations, not immediate need but important for near future, connection is worth keeping in mind.
  - NDR – inertia monitoring.
  - Mike – cybersecurity, using PMU data to identify discrepancies in control records where someone might be doing something as a bad actor and using PMU data for cybersecurity awareness. Sascha asserted we touched upon this, work done on this @LBL, don't think we went into as much details as we could, use PMU sensing infrastructure as a validation different from SCADA.
- Mike wants to know the best way to move these ideas forward with the understanding that it is hard to get volunteers knowing they have fulltime jobs. Mike added that we will share this information on our calls but is there any other platform we could use for exchanging and collaborating on information.
  - Teresa set up a Use Case “working” document on Google Docs. Anyone with this link can edit the document:  
<https://drive.google.com/file/d/1t1ms1RGVmkrNSmAljf5hEYh6RpkRH47v/view?usp=sharing>

## DisTT

- Introductions of new attendees on the call.
- DisTT report progress update; second draft has been sent to the DisTT email list for final proofreading and review and approval by the NASPI Leadership Team.
  - Location of report (<https://www.overleaf.com/2473842656bmgztwskntvm>).
- Sascha is working on a wildfire mitigation discussion call and webinar in July or August timeframe. Sascha is trying to bring in Crystal Eppinger at PNNL who has done work in this area and Don Russell from Texas A&M. Reza asserted he had did a project with wildfire mitigation,

has some kind of results and would like to combine his work with what the DisTT might be doing.

**Next conference call: July 28, 2020, 10:00am PT / 1:00pm ET.** Fourth Tuesday of the month unless otherwise noted.

#### References

Use Case “working” document (anyone with link can edit):

<https://drive.google.com/file/d/1t1ms1RGVmkrNSmAljf5hEYh6RpkRH47v/view?usp=sharing>

#### **Attendees**

Alireza Shahsavari

Anurag Srivastava

Bryce Johanneck

Greg Zweigle

Harold Kirkham

Jim Kleitsch

Laurel Dunn

Mayank Panwar

Mike Cassiadoro

Panagiotis Moutis

Sarma (NDR) Nuthalapati

Sascha von Meier

Subbarao

Teresa Carlon

Viktor Litvinov

Yi Hu