

January 26, 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)
Email list address: naspi-taskteam-controlroom@lyris.pnnl.gov

Distribution Task Team (DisTT)

Co-leads, Sascha Von Meier
(vonmeier@berkeley.edu) and
Dan Dietmeyer (DDietmeyer@semprautilities.com)
Email list address: naspi-taskteam-distribution@lyris.pnnl.gov

Teresa Carlon, NASPI support and website and listserv contact (teresa.carlon@pnnl.gov)

Attendees

Roll call – not captured.

Action items

All – review the CRSTT work plan and be prepared to discuss any proposed changes on our February call. The task team leads would like to have an updated CRSTT work plan by April 2021. Link to the work plan can be found here: <https://www.naspi.org/node/717>.

Mike – Jimmy Zhang has expressed interest in helping with the inertia monitoring task.

CRSTT Update provided by Mike

- Discuss Potential Revisions to CRSTT Work Plan – NASPI LT decided the task teams should have a work plan in place to define goals, mission, and deliverables. Link to the work plan can be found here: <https://www.naspi.org/node/717>. Focus has been on use cases, but please read the full work plan to get familiar with it. Any proposed changes can be brought up at our February meeting so we can discuss and in March we can finalize those agreed upon changes by April. NDR proposed the CRSTT offer to support training at the ISO/RTO level as an industry outreach item.
- Review Topics Proposed for Operational Use Cases – approach is to engage industry, focus on reliability-related tasks, consistent structure, pertinent information and enhanced visualization. Topic areas: wildfire mitigation, microgrid control, cybersecurity awareness, inertia monitoring, and topology identification. If you are interested in these areas, please send a note to Mike, Jim, or Teresa. Anurag suggested having a subtopic under these areas as wildfire mitigation, perhaps using operation or operation in emergency or extreme events and then build the use case(s), Anurag asked what is the objective of this exercise and what can be proposed under wildfire mitigation as it relates to PMUs. Dan Dietmeyer asserted they “are using synchrophasors on the distribution side for wildfire mitigation monitoring the circuits for broken conductors for falling conductor program and the way it works is when there's a difference and voltage rate of change angle magnitude that's detected. We open the re closing devices upstream of that wire and deenergize.” Jimmy Zhang would like to help with the inertia monitoring task.
- Provide Update on Time-Synched Measures Training –TRS and PNNL are developing a time-synchronized measurements simulation training course and plan to create a "train-the-trainer" video to accompany it. Please contact Mike or Eric Andersen (Eric.Andersen@PNNL.gov) if your utility is interested in taking this course or implementing it as part of your training program.
- Open Discussion: Purpose and Benefits of Synchrophasor Apps in Same-day and Real-time Ops Horizons – continued discussion on a draft paper describing the purpose and benefits of synchrophasor-based apps in the Same-day and Real-time Operations Horizons. Mike asked if

we want to take on this effort? NDR said we should probably check with SMS and what they are planning on doing so we don't double up on effort. Mike asserted that this paper would be a follow up effort to NERC's SMS work. This is an opportunity to reclassify apps with utilities. Slava suggested CRSTT consider how synchrophasor data can be used to monitor the system and maintain resource-Demand balance when EMS/SCADA data is not available.

DisTT Update provided by Panos

- Panel Proposal to 2021 International conference on Smart Grid Synchronised Measurement and Analytics (SGSMA 2021 [website](#))
 - “Use cases and potential value of deploying PMUs at distribution systems” moderated by Panos Moutis (CMU)
 - Sascha von Meier (NASPI), Ken Martin (IEEE), Paul Pabst (ComEd), Omid Mousavi (DEPsys), Greg Zweigle (SEL)
- IEEE TF on Distribution PMU Standard (Ken Martin) - If you have time to join this task force please reach out to Panos or Sascha.
- *Forthcoming*: slide-deck for pitch of DisTT report and activities to utilities
 - Objective: follow-up on distribution PMU use case surveys (& maybe recruit DisTT members). Sascha and Panos working together to launch a pitch to utilities using material from the latest DisTT report on Use Cases and survey results. We are aiming for a follow-up survey to add value to the previous efforts. Hoping to have a draft slide deck ready for review by the February or March call.

Our NASPI 2021 webinar series will kick off **Wednesday, January 27 at 10:00am PST/1:00pm EST (1.5 hrs.)** with a webinar titled “**Merging Units**” presented by Evandro de Oliveira (Siemens), Galina Antonova, and Bharadwaja Vasudevan (Hitachi ABB). **Zoom Registration Link:** https://pnnl.zoomgov.com/webinar/register/WN_aMicY8wJShSXs_S6G704gw

NASPI Work Group Survey

Since the NASPI webinar series began back in March of 2020 we have added 450 new emails to the NASPI Work Group email list. This means there are roughly 450 individuals new to NASPI and all our wonderful knowledge. As such the NASPI LT concluded this would be a great time to poll our audience with a few questions. To begin the survey, click on the link below. The survey takes about 6 minutes to complete and your feedback is very valuable to us. Thank you!

NASPI Work Group survey link: https://www.surveymonkey.com/r/Y7CQY38_NASPIworkgroup
Survey closes January 29, 2021.

NASPI Call for Abstracts

The abstract submittal details are in the attached PDF. The NASPI LT will be looking for abstracts in the areas below. **These abstracts are due by February 5, 2021** and need to be emailed to naspi@pnnl.gov. The LT will conduct the review process and I shall begin reaching out with acceptance/rejection emails to primary author no later than March 2. By submitting an abstract and later providing a presentation at the meeting, the submitter grants NASPI permission to publicly post the presentation and share their name, affiliation and email through on-line posting on the NASPI website following the meeting. If you have any questions, please let me know (naspi@pnnl.gov).

- High-resolution sensors to characterize the transient behavior of inverter-based resources and other fast-acting phenomena
- Utilizing measurements to enhance the accuracy of inverter-based resource models
- Statistical analysis and deep learning for extracting actionable information from large datasets
- Advanced distribution system applications

Next Call: February 23, 2021 (4th Tuesday of the month) at 10:00am PT / 1:00pm ET.

Attendees

Anurag Srivastava
Brent Blanchard
Bryce Johanneck
Clarke Simmons
Dalibor Brnobic
Dan Dietmeyer
Eric Andersen
Farnoosh Rahmatian
Greg Zweigle
Harold Kirkham
Jimmy Zhang
Kliff Hopson
Laurel Dunn
Mayank Panwar
Michael B (?)
Mike Cassiadoro
Panos Moutis
Sarma Nuthalapati (NDR)
Slava Maslennikov
Teresa Carlon
Yi Hu