

October 27, 2021 - Combined CRSTT/DisTT Call Notes

Control Room Solutions Task Team (CRSTT)

Co-leads, Jim Kleitsch (jkleitsch@atcllc.com) and
Cody Parker (CParker@spp.org)
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Distribution Task Team (DisTT)

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

Attendees

Roll call – see below.

Action items

- Teresa will email the Distribution Synchronized Measurement Roadmap Final Report to the teams.
- Sascha would also like to make everyone aware of the SGSMA conference in Croatia 2022; thinking about a proposal for a panel on distribution systems synchronized measurements.

CRSTT/DisTT Update led by Sascha and Jim

- Held an open mic with all the attendees and asked them, “what are you interested in and how can the DisTT and/or the CRSTT help you?”
 - Michael Agnew – SRP, new to group. Likes anything distribution.
 - Ahmed Abd-Elaziz - working as teaching and research assistants, trying to develop a low cost micro pmu with high accuracy.
 - Eric Andersen provided an update on the PNNL and TRS train the trainer; PNNL and TRS put together materials focused on oscillation detection and visualization tools in an operation environment to help utilities with their training program which in turn would educate operators on the technology. Now PNNL is asking what is the next step? Black start? Inverter based resources? T&D boundaries, looking at ways to efficiently operate the grid? What are the areas of interest worth pursuing for utilities? What new training materials would be useful to them and the operators? NASPI’s last webinar touched on human factors and human machine teaming; Eric is launching a survey to utility operators to get an understanding of challenges they face day-to-day in their work environment. Looking for utilities and utilities operators interested in taking the survey. Jim K. asked if a formal request would be coming from NASPI. Eric said he could put one in if that would be beneficial. Eric is working off a list he has and conducting phone interviews to gather input.
 - Teresa Carlon – shared that the “Distribution Synchronized Measurements Roadmap Final Report” has been released and will be posted on the NASPI website. A link to the report and the report itself will be shared with the two task teams.
 - Cody Parker – SPP, works in the operations department, wants to know how pmus can help real time operations, not a lot of transmission owners with massive amount of pmus.
 - Farnoosh Rahmatian – pass.
 - Hassen Ghoudjehbklou – pass.
 - Josh Wold – SEL, first time attendee.
 - Ken Martin – EGP, involved with standard and guide development with IEEE, IEC, and NASPI work. Also leads the STTP work (IEEE 2664), hope to be done with the standard and the end

of next year, and also hopes to work on the creation of distribution type standard, concern on what the measurement characteristics are needed for a distribution system, working group was formed to investigate further.

- Kaveri Mahapatra – PNNL, wants to learn about different applications in control centers and understanding new problems.
- Mike Cassiadoro – TRS, focus is on training in the control room.
- Nino De Falcis - focus on timing aspects, smart pmus that need sub microsecond accuracy, standardize the timing protection to be resilient and self-reliable, new challenge of migrating renewable energy (Distributed Energy Resources (DER)).
- Kevin Ostash– Manitoba Hydro, works systems control center, supporting real time applications and now working with WAMS. Interested in what others are doing in the industry. Jim suggested Kevin give a short presentation so we can learn more about what he has going on.
- Panos Mourtis – CMU, interested in the distribution task team of NASPI. Worked on a research project with an analytics company for distribution grids in Switzerland and then with extended application in other parts of Europe. Panos volunteered to give a short presentation on a paper about state estimation, relevant to our applications/use cases for distribution pmus.
- Matthew Rhodes – SRP, grid operations support area, works on methods to get synchrophasors into operations and distribution. Former co-lead of the DNMTT and moved over to the EATT. Matt has used Train the Trainer to give his control room operators an introduction into synchrophasors. In the control room, interested in hearing more about the applications and techniques that can be used to engage the operators to take on new tools in the control room. On the distribution side, SRP has a distributions synchrophasor roadmap tool that they would like to put an instance of the visualization up to the distribution operators/engineers to give them a visualization of synchrophasor and introduce them to the use cases. Need to engage the distribution operators.
- NDR – working in deployment of synchrophasor technology and operations. NDR would like to reach out to utilities through their respective operators like ISO to help bridge the gap between them and NASPI, since NASPI is already advancing the technology.
- Sascha von Meier - UC Berkeley, co-leads the DisTT, interest in distribution system goes back to Sascha's grad school work, led an ARPA-E project to develop a micro pmu, primarily a power system educator, interested in the training aspect, would like a nice portable package on distribution training, would like a PMU101 for distribution operators – grow into something more? Sascha would also like to make everyone aware of the SGSMA conference in Croatia 2022, thinking about a proposal for a panel on distribution systems synchronized measurements (see link below).
- Christopher Talker – SRP, distribution engineering department, first time attendee. Hopes to get more exposure to NASPI.

Next Call: Wednesday, January 26, 2022 at 1:00pm PT / 4:00pm ET. Please note the new recurring meeting invite. **Usually, the 4th Wednesday of the month unless otherwise noted.**

Useful Links:

ni4ai.org

<https://www.sgsma2022.org/> - submission deadline extended until November 14, 2021.

Attendees

Abd-Elaziz, Ahmed
Agnew, Michael C
Andersen, Eric S
Burt, Michael
Carlson, Teresa A
Cassadoro, Michael
De Falcis, Nino
Farantatos, Evangelos
Ghoushebaklou, Hassan
Kleitsch, James
Mahapatra, Kaveri
Martin, Ken
Moutis, Panos
Nuthalapat, Sarma NDR
Ostasz, Kevin
Parker, Cody (SPP)
Rahmatian, Farnoosh
Rhodes, Matthew E
Talker, Christopher J
von Meier, Sascha
Wold, Joshua