Distribution Task Team (DisTT) Conference Call Minutes
June 20, 2018 10:00 am PT/1:00pm ET

Sascha Von Meier (vonmeier@berkeley.edu) and
Luigi Vanfretti (luigi.vanfretti@gmail.com) Co-leads
Teresa Carlon (teresa.carlon@pnnl.gov), Support
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Attendees
Roll call – see list below.

Action Items
Action: Erik Desrosiers volunteered to provide a list (to Sascha) of manufacturers and what they are doing in the distribution networks and micro-grids area. Need to gather use cases from manufacturers. Need to find technical presentations for each of the three thrust areas.

Old business
- DisTT ABQ breakout presentations are posted on the NASPI website.
- DisTT will likely continue holding technical presentations during our call.

New business
- Objective from ABQ breakout session; how to move forward with establishing infrastructure for sharing (non-confidential) data for research and analysis purposes
- How would this lead to the ARPA-E efforts with Grid Data Initiative; funding platforms for network models. DisTT might make recommendations to ARPA-E to expanding their efforts and they are interested in hearing DisTT's input.
- Follow up on GMLC National Lab Activities and other potential contributors: the main goal is to gather information on measurement data, models, and results from GMLC's lab's activities (and other potential contributors) that can be shared with the NASPI DisTT in our monthly web-calls and the next NASPI DisTT meeting in the fall. **Action for all DisTT members**: your input on potential topics and presentations that you can offer, both over the web, and in person in the forthcoming meeting.
- Discussed the possibility of cataloging openly available and/or user-shared data (both models and measurements). **Action**: volunteers are needed to help lead the efforts. Sai Akhil Reddy, Asja Derviskadic, and Tom Rizy, have volunteered to help with the data sharing platform among the NASPI community. Discussion around the possibility of using Github as a tool for sharing resources and collaborating on the tasks. Luigi suggested setting up a Github with whatever resources he receives but there was lack of support on the call.
- Schematic slide on next work products –
    - Use Cases and PMU Applications for DER integration in distribution networks and micro-grids. **Action**: Erik Desrosiers volunteered to help with this effort and offered to provide a list of vendors to Sascha and pulling the vendors into this effort. Then DisTT will reach out to the vendors with a description and how we might engage them and include updates from the various projects.
    - Performance requirements and future D-PMU standards. Harold asserted that the kind of standard we are talking about here requires solid requirements for accuracy, etc. b/c this type of measurement (operational measurement) unless you know what you want to do with

results you don't know how to go about making it. DisTT is not a standard body, but we can supply requirements and guidelines. Sascha noted this item will be used as a "prompt." Need to record whatever input we can get from the vendors.

- Integration of PMUs or PMU functions into transformers, inverters and other devices. Any thoughts on how to advance this idea? Any vendors we should engage into the conversation? Erik asserted don't limit ourselves in cost, two suppliers with micro synchrophasors for <$100. Conceivable micro synchrophasors could be used in many locations. Would this then be a good opportunity to schedule more technical presentations? **Action**: with Eric's help, ask manufacturers to share with use what they are doing.

Next Call

- **July 19, 2018, 10am Pacific / 1pm Eastern**.

Reference Material

- The *Synchrophasor Monitoring for Distribution Systems -Technical Foundations and Applications*
- DisTT web page: https://www.naspi.org/distt
- Topics of ongoing work for this group include:
  - Present practices, research, state of the art and challenges with distribution PMUs
  - Distribution PMU applications and use cases
  - Theoretical aspects of PMU measurements
  - Technical requirements and specifications for distribution PMUs
- Link to Distribution PMU Project inventory.
- Expected Data Requirements for Different Classes of PMU Applications.
- CRSTT Reference - NASPI Diagnosing Equipment Health and Mis-operations with PMU Data and the event summary table.
- U.S. Department of Energy Grid Modernization Lab Consortium (GMLC).

Attendees

Asja Derviskadic
Carl Benner
Erik Desrosiers
Frank Tuffner
Harold Kirkham
James Follum
Jim Kleitsch
Luigi Vanfretti
Matthew Reno
Sascha von Meier
Teresa Carlon
Tom Rizy