

NASPI Operations Implementation Task Team Call Minutes

March 19, 2009 @ 12:30PM ET

Participants:

Terry Bilke – MISO	Tony Johnson – SCE	Ken _____ - ERCOT
Kai Sun – EPRI	_____ ? – ConEd	John _____ - ERCOT
		Henry _____ - ERCOT
Clifton Black – Southern Co.	Jim Viikinsalo – Southern Co.	_____ ? – ERCOT

Terry Bilke, OITT Chair, welcomed all participants to the call – especially the participants from ERCOT who joined in on the monthly OITT call for the first time.

Phasor Map – “Blue Dot” vs. “White Dot” – Terry reviewed the map of PMUs in North America recently distributed by (Jeff Dagle). The blue dots represent PMUs that are installed and networked together with other PMUs to a PDC, while the white dots represent PMUs that are installed but not networked to a PDC. Please let Terry know of any discrepancies on the map that you are aware of.

WI Update – Tony Johnson, OITT Vice-Chair, discussed a non-disclosure agreement (“NDA”) with the California ISO that is currently being developed. Each data contributor (BPA, PG&E, and SCE) will get all PMU data out of the Cal ISO. Xcel Energy (Colorado, New Mexico) has also expressed an interest in this data sharing agreement.

Tony also mentioned the California Energy Commission is going to fund research in advanced power system visualization, reactive power control, and other applications.

Terry mentioned that the NERC NDA seems to a workable solution for most entities sharing PMU data in the Eastern Interconnection for now.

EI Update – Terry mentioned several transmission owners in MISO that are installing PMUs. American Transmission Company (ATC) is going to

install ten (10) PMUs in 2009. These installations are going to be dedicated SEL relays used to monitor and control capacitor banks. Xcel Energy (Minnesota, North and South Dakota, Michigan?) has plans to install 3 PMUs, and an additional 2 PMUs will be installed in Michigan by _____?

ConEd stated they will possibly be adding several more PMUs to their system, and they are looking at incorporating this PMU data in their SCADA system.

Tony said that SCE is working with AREVA on this same process. Clifton mentioned that Southern Company is also involved in a joint research project with TVA and other utilities, in conjunction with AREVA.

A discussion on the new CIP requirements and associated implications of using PMU data within the SCADA environment followed.

ERCOT Update – Ken _____ mentioned that a PDC is on site, and installation is in progress. Several more PMUs are in the works after the data concentrator is in place. ERCOT is also evaluating plans on how to utilize PMU displays in their system control center. Oncor also has plans to install 3 PMUs, to be used primarily for post-event analysis.

RTDMS – Manu was unavailable for this call, but had left word with Clifton regarding the latest developments. Clifton said the field trial for version 6 is delayed until the week of March 23rd. Presently there are 5 individuals who have volunteered to perform field testing. ERCOT representatives said they will discuss the matter off-line, and call Manu if they decide they are able to help field-test the new release.

Clifton gave an update on the newly formed RTDMS Users Group, for which he was elected Chair at the February meeting of the NASPI Working Group. The group had their first conference call on March 5. They reviewed the group charter and meeting schedule. This group will have at least one conference call prior to each NASPI WG meeting. Voting for the Vice-Chair position is in progress, and ends Friday March 20th at 5:00 p.m. CDT. The group's next face-to-face meeting will be in Sacramento around the afternoon of June 3rd.

There will be a demo of RTDMS v6 after field trials are completed. The group also has plans for a future brainstorming session to build and maintain a list of desired enhancements to RTDMS. Additionally, there are

plans to develop a short (2-page) summary of RTDMS functionality. The Users Group will also be prioritizing enhancements to be included in future releases.

Terry then explained some of the background and history of the Operations Implementation Task Team (OITT), relating to the handoff of the RTDMS program development to the RTDMS Users Group. Clifton also mentioned the group is looking for training development ideas that can be broken down into 30-minute segments.

Leadership Committee – Terry mentioned the DOE money that is available specifically for synchrophasor technology as part of the economic stimulus package. Alison Silverstein (NERC project manager) is looking for short “bullet item” projects for possible funding. Contact Terry Bilke for further details.

Tony Johnson mentioned a recent presentation at the NERC OC, where CEOs of utilities with “blank spots” on the map will be getting letters from Rick Sergel (NERC CEO) to encourage networked PMU installation.

NASPI Workgroup – Terry reminded us the next meeting in June will have an operations focus. There is still some room on the agenda, so contact Tony and Terry if you are interested in presenting.

NASPI Outreach – The team is developing a short (30-minute) webcast on “NASPI for Executives”. The idea is to give an overview of the project, the status/plan, the opportunities this technology presents, low-hanging fruit on ways to build out the infrastructure, etc. This webcast will also be made available in archive form for future viewing off-line, and is expected to be completed sometime in April.

Team 2009 Goals and Deliverables – Terry summarized the OITT goals and deliverables for 2009. They include formalizing the RTDMS Users Group (completed), identify enhancements for RTDMS, creation of an archive for researchers, and oscillation detection and mitigation. A restatement of the entire list from the previous call is included here.

Below is the list of the Teams 2009 goals, with the major goal of setting up the Users Group nearly complete:

1. Formalize the RTDMS User Group:
 - Establish Listserv - completed
 - Set up website - completed
 - Catalog suggestions(send to Clifton) - completed
 - Work within the NERC and DOE budgeting process.
 - Hold first meeting (likely in conjunction with Workgroup meeting) - completed
 - Elect chair (Clifton Black) and vice chair.
2. Implement high-value and simple enhancements:
3. Deploy archive for use by authorized engineers and researchers.
4. Perform outreach for other Operating Tool resources.
5. Develop at least 5 additional “6 C” training documents.

Six Cs Training Templates – Terry discussed some ideas for new training documents, including cause/mitigation, alerts to operators, and simulation for operators. Please send any suggestions you have to Terry.

Areas of Collaboration with PI Team – Joe Chow (RPI) is the OITT coordinator to the Planning Implementation Task Team. One goal of this collaborative effort is to identify specific phenomena and provide guidance for operations. Other goals are to develop a structured archive of event reports, and provide assistance in completing the “6 Cs” training templates.

Other Industry Events

<http://www.naspi.org/industry/industryevents.stm/>

Kai Sun of EPRI mentioned an EPRI workshop on April 15th on how to use PMU data, power system self-healing and the transition to the “Smart Grid”. This workshop will be held at the TVA offices in Knoxville, TN.

Terry encouraged the group to spread the word about the synchrophasor funding included in the stimulus package. One thought is that Reliability Coordinators and their member transmission owners could propose a “jump start” package for PMU and PDC deployment.

Workgroup Meeting Dates and Locations

Below are the proposed dates for future Workgroup Meetings:
June 3-4, 2009 Sacramento, California -- theme: operations tools, success stories

October 7-8, 2009 Chattanooga, Tennessee -- theme: vendor show (hardware & software)

February 24-25, 2010 Austin, Texas -- theme: monitoring and control / managing intermittent resources

June 2010 Vancouver, British Columbia, Canada -- theme: international developments in synchrophasor deployment and applications

Other News – Terry pointed out some recent changes to the NASPI Web site, where several new documents have been posted. The following documents are now available from the home page:

- Synchrophasor Technology Roadmap
- Synchrophasor Fact Sheet
- Phasor Data Applications Table

Action Items

- Kai Sun to send note on EPRI workshop to Terry for distribution
- Get votes on Vice-Chair of Users Group to Clifton by Fri Mar 20 5:00 p.m. Central Daylight Time
- If you want to participate in the RTDMS v6 field test contact Manu or Terry
- June WG meeting – send input on topics and presenters to Tony Johnson and Terry Bilke

Next Call

Thursday, April 16th, 12:30 Eastern Daylight Time

The call was adjourned at approximately 1:28 PM ET.

Respectfully submitted,
Jim Viikinsalo