

North American SynchroPhasor Initiative (NASPI)

Performance and Standards Task Team Meeting

April 18, 2008

8:00am-9:00am PT

By Teleconference and Live Meeting

Agenda

1. (5 min) Introductions / Roll Call – All
2. (5 minutes) Update PES 2008 GM Panel Session - International experience with PMUs **H. Huang**
3. (50 minutes) Review the “PSTT Activities for 2008 Goals” **All**
 - Objectives: Identify Deliverables, Timeline / Schedule for 2008, Resources

2008 Goals	Task Leaders
1. Define standard PMU – Discuss inclusion of data streaming and / or recording capability	Ken Martin , Sakis Meliopoulos, Harish Mehta
2. Requirements to guide PMU deployment and system architecture needs, locally and regionally	
a) System and device requirements for combined applications	Yi Hu , Jim Hackett
b) Phasor Tools Listing - Requirements and specifications for phasor tools	H. Huang , J. Hackett, E. Martinez, T. Weekes., Sushil Cherian; Krish Narendra; Robert Folkes Update on possibility of a web based method for users and developers to list phasor tools
c) Guidelines for synchronization techniques - Accuracy and Availability	Bill Dickerson , J. Stenbakken, Alfredo Vaccaro, K. Narendra Krish and Jay to comment and provide feedback to Alfredo
d) Requirements for hardware and firmware upgrades	S. Haveron , J. Hackett, F. Galvan., E. Martinez, K. Narendra
3. Procedures for testing PMU at the commissioning level	V. Madani , T. Weekes., K. Martin, Mladen Kezunovic, Alfredo Vaccaro, K. Narendra
4. Standardizing PMU Configuration for IEC 61850 Applications a) Implementation Agreements (Standards) for Interoperability of the Synchrophasor Values b) Coordination with IEC Standards	Shane Haveron , Roger King., Sushil Cherian
5. Expand guidelines for using devices with	D. Novosel , J. Hackett, V. Madani, E. Martinez, Yi

<p>Integrated PMU Functionality</p>	<p>Hu Krish will lead, with the team consisting of Anurag, Damir, Jay, and Jerry</p>
<p>6. Issues with “Dynamic Phasors” Jerry will work with Henry to distribute presentation and discussions on the use of Taylor Series for feedback from PSTT</p> <p>Ultimately - Ken to consider the information the PRSC WG that will participate in updating the IEEE phasor standard</p>	<p>Henry Huang, T. Weekes, J. Stenbakken, B. Kasztenny, M. Adamiak, K. Martin, Arun Phadke</p>
<p>7. Standards & requirements for Protection and Control Applications</p>	<p>S. Haveron, E. Martinez, K. Martin, J. Hackett, Virgilio Centeno, V. Madani, Yi Hu, S. Meliopoulos, Mohammad Zubair</p>
<p>8. Identify requirements for redundancy (part of architecture)</p>	
<p>9. Discussions with IEEE on COMTRADE file use with PMU – See notes from January 2008 conference call.</p> <p>Feedback from PSRC indicates that COMTRADE standard defines only formats but not contents. An add-on configuration may be developed to satisfy the need when Comtrade is used for phasor measurements. Jim Hackett, as vice chair of PSRC WG H10, invites PSTT members to attend the next H10 meeting at Kansas City on May 13-14, 2008 or give Jim some feedback for discussion at the H10 meeting</p>	
<p>10. Define Standard requirements for PDC Hardware Input protocols, and protocols needed if in the future we want to go to the SE - Whether it is better to have a independent server or independent database etc. for future expansion, what data bases will match what PDCs</p>	<p>Tony Weekes</p>

4. Next Meeting: May 30, 2008 Friday, 8:00am-9:00 am PT. – Coordinate with IEEE T&D Week

5. Adjourn

Appendix A: Instructions for conference call participants:

- **Local participants:** call 376-7411 and ask for the conference title "**PSTT**" or "**PRTT**".
- **Long-distance participants:** call 1-800-664-0771. When you hear the Octel voice mail system answer, please dial 0 and ask the Operator for the conference title "**PSTT**" or "**PRTT**".
- **International participants:** Please use one of the two ways: 1) call 509-376-7411 (will incur long distance charge to you) and ask for the conference title "**PSTT**" or "**PRTT**"; 2) let Teresa Carlon ((509) 375-3628, teresa.carlon@pnl.gov) know in advance that you want to participate, and then

Teresa will have PNNL Telephone Service personnel call you and connect you to the teleconference.

- *(If you need assistance, please call PNNL Telephone Services at 509-375-6400)*

Appendix B: Instructions for LiveMeeting:

Teresa Carlson has invited you to attend a Live Meeting.

<https://www.livemeeting.com/cc/pnnl/join?id=DZKT3R&role=attend&pw=tzZ%292H%2Bjq>

Subject: PSTT Teleconference/Live Meeting

Meeting URL: <https://www.livemeeting.com/cc/pnnl/join>

Meeting ID: DZKT3R

Meeting Key: tzZ)2H+jq

Role: Attendee

Click to add to your Outlook calendar:

<https://www.livemeeting.com/cc/pnnl/meetingICS?id=DZKT3R&role=attend&pw=tzZ%292H%2Bjq&i=i.ics>

FIRST TIME USERS: To save time before the meeting, check your system to make sure it is compatible with Microsoft Office Live Meeting: <http://go.microsoft.com/fwlink/?linkid=52354>

This Live Meeting invitation is a personal invitation; it should not be forwarded.

For assistance, visit Live Meeting Help and Support:

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