NIST PAP-13 Meeting Notes

March 15, 2010

Attendance:
- Jerry Fitzpatrick, NIST
- Mark Adamiak, GE
- Galina Antonova, ABB
- Ken Martin, EPG
- Bill Cloutier, DTE
- John Gillerman, SISCO
- Steve Bedrosian, LSI
- Paul Myrda, EPRI
- Vahid Madani, PG&E
- Tony Ranson, Mehta-Tech
- Veselin Skendzic, SEL
- Ron Vader, DTE Energy
- Bill Moncrief, EnerNex
- Ron Farquharson, EnerNex

Objectives for the meeting:

1. Introductions and roll call
2. Jerry Fitzpatrick, NIST Project Lead - remarks
3. Joe Hughes – cross PAP report
4. Review of meeting notes and actions - last meeting
5. SDO Reports:
   - IEEE 1588 – Galina or Veselin
   - IEEE H11 and HTF3 - Ken
   - IEC WG10 – Christoph or Herb
   - NASPI – Alison or Vahid
6. Acceleration options:
7. New action items
8. Recent TWiki updates
9. Next meeting date – March 29, 2010

NIST Comments:
1. Jerry reminded us that the next face to face meeting for the SGIP is March 16-17 in Washington, DC.

SDO and Stakeholder groups - Reports

1. IEEE H7 / C7 – 1588 – C37.238 - Galena
   a. We continue to actively work on finishing up 1588 power profile annexes (PC37.238):
      - Normative annex on performance requirements
- Informative annex on mapping 1588 time accuracy values into C37.118 time quality nibble and 61850 time quality
- Informative annex on HSR/PRP mapping

b. We plan to complete work by the end of March - 1st week of April, then focus on getting comments and converting draft to IEEE format
c. The plan is to get approval to go to sponsor ballot at the May PSRC meeting.
d. Next focus is 61850 and time quality

2. IEEE – H11 – Ken Martin or Mark Adamiak
   a. H11 has two task teams working on key topics and proposals.
      i. One task team is focused on the decision of whether to split the standard and if so, how. The current idea would be to split the standard into two parts:
         1. Measurement
         2. Communications
      ii. This task team has sent out a proposal as of March 12.
      iii. The current view is that the WG will pass this proposal (to split).
         1. This will speed up the PAP-13 related work.
      iv. The second task team is addressing dynamic measurement performance requirements

   a. The IEC WG10 is meeting this week in the Tampa, FL area.
   b. One focus is on developing the method and requirements for communicating synchrophasor data using IEC 61850.
   c. This information will be contained in a companion document (technical report) designated: IEC 61850-90-5 which is a key deliverable related to this PAP.
   d. The technical report is being developed by a task team of WG10.
   e. Another topic for discussion is defining a roadmap or migration path from IEEE C37.118 to 61850. This requires a mapping of C37.118 functions and practices to 61850.

4. IEC – WG10 – Christoph Brunner / Herb Falk
   a. No report as Christoph and Herb are currently attending the meetings.
   b. Face to face meetings are planned this week with the technical report task team and IEEE HTF3.

5. NASPI – PSTT – Vahid
   a. Go to the NASPI website for more information on PSTT activities and goals.
   b. A top priority for PSTT: how do we accelerate these standards activities?
   c. ACTION: Ron to checking on posting a link to NASPI PSTT

General Discussion
- Is there going to be any funding for the testing? Jerry says that the SGIP Test & Certification committee is on this. NIST has a test bed, no promises. The purpose of the whole NIST effort is to accelerate. NIST is setting the priorities.
• Galena asked Jerry about synchronization testing. Jerry says that it’s an ongoing, separate project, not expecting them to be combined, but there is coordination between the two.
• TWiki: Deliverable one is complete, change LED (DONE).
• TWiki: Task 2 is on track, need to update the LED from yellow to Green (DONE).
• Ken(?) to produce report on summary of the results of the 1588 demo and timing.
• **ACTION:** Mark will propose that the synchrophaser time stamp always be sent as data with the synchrophasor data. That will be a simple solution, actually allow latency measurements in real time.
• Jerry asks about 1588 power profile, can we get a draft from IEEE?
• Jerry asks about the status of the IEC 61850-90-5 document. Can we get a draft?
• Regarding obtaining copies of published standards, George Arnold has been asking ANSI to get the PAP folks access to the published standards.

**Action Items:**

1. See “**ACTION**” items in the text.
2. Mark to send gap list to Ron.
3. Jerry to send Synchronization items to Ron for distribution to the group.
4. Bill to see about getting IEEE Std1588 draft to the PAP 13 group.

Meeting adjourned at 11:05 AM