NIST PAP-13 Meeting Notes

Jan 19, 2010

Attendance:
- Ken Martin
- Tony Ranson, Mehta Tech
- Bill Cloutier, DTE – Point of contact
- Phil Zalaski, DTE
- Vahid Madani, PG&E
- Jim Magnuson, DTE
- Galina Antonova
- Charles Jackson, DTE
- John Wiebe, DTE
- Alison Silverstein, NASPI
- Veselin Skendzic, SEL
- Bill Moncrief, EnerNex
- Herb Falks, SISCO
- Andre Marais, Symmetricom
- Mahandra – PJM
- Mladin Kezunovic, Texas A & M
- Paul Myrda, EPRI

Objectives for the meeting:

1. Introductions and roll call
2. Joe Hughes – cross PAP report
3. Review of meeting notes and actions - Dec 17th meeting
4. Review of revised PAP-13 title and abstract
5. SDO Reports:
   - IEEE – Ken (H11 and HTF3)
   - IEC WG10 - Christoph
   - NASPI – Alison
   - IEEE H7/C7 - IEEE 1588 – Galina –
6. Acceleration options:
   - Contract tasks:
     - Document editing
     - Proposed mapping document
7. New action items
8. Next meeting date - Feb 1
Meeting Notes:

- Vahid and Damir regarding status of the action item to create a list of key tasks that need to occur for interoperable, standards based PMU implementations (see action item 5, Dec 17 meeting notes):
  - Some of this work is included in the gap list
  - Trying to identify what areas we can run in parallel with the development of the standard(s):
    - Working with Paul, Mladin and others to incorporate NASPI work into IEEE standards.
    - Vahid will send notes on this progress.
    - For example the NASPI guide for installation and testing of PMUs is one of the documents expected to become an IEEE guide.
    - Planning two sessions in May and September with plan for balloting in Jan 2011

SDO and Stakeholder groups - Reports

- IEEE – H11 – Ken Martin
  - The decision to split the updated IEEE C37.118-2005 standard into two parts was referred to a task group to develop a recommendation and report back in May.
  - The working group is also reviewing the measurement specifications included in the standard. For example there was a proposal to change the requirements for passband frequency filtering. Measurement filtering drives reporting rate performance.
  - Updated measurement performance figures are divided into two classes:
    - Measurement class
    - Protection class

- IEEE – HTF3 – Ken Martin
  - Reviewed the proposed plan to harmonize 61850 and C37.118 communications.
  - The IEC document will be 61850-90-5 – a Technical Report
    - This text will be the core text for the other parts – treated as an addendum
    - Majority of text of this new Technical Report will transfer to the future edition (3) of the whole standard in 3-5 years.
  - Proposed schedule – draft document by June 2010, then a version of the document for a formal review in Jan 2011, then vote to approve with publication in the spring of 2011.
  - Could be handled as an addendum – may impact the following:
- Objects – 7-4
- Where does the new profile belong?
- Communication Profiles – 9-3
- Abstract Services – 7-2 (may or may not)
- Common Data Classes – 7-3 (may or may not)

- IEC – Herb
  - What are requirements for information exchange?
  - Do the packets for data have to be larger than 65,000 bytes?
  - Paul – how many data points is this? 7,500 phasor measurements
  - Ken Martin - The real issue is the size of the configuration packet
  - Ken Martin - Should we define a new data packet and set of packets?
  - Ken – the limit comes from the number of (16) bits
  - This is a discussion that needs to take place at applicable SDO meetings.

- NASPI – Alison
  - Finalizing the agenda for the Feb meeting
    - Focus on DOE projects
    - Discussion on PMU and PDC specs
    - Also having a panel discussion on system design
    - Updating on PSTT work

General Discussion
- Ron mentioned the idea of having someone prepare a proposed 61850 mapping.
- Ken – we do have that small task group looking at the implications of splitting the standard. The other task group is looking at the test algorithm.
- Veselin – this sounds like a great idea
- Ken I am a little uncomfortable – dipping into the IEC WG10 area. I need to discuss this with Christoph first.
- Should we start with a meeting HTF3 WG meeting to discuss what should be put into it?
- There is a March IEC meeting that could discuss this.
- All the HTF3 people are invited to both IEEE and IEC meetings
- Vahid – I think we should get somebody started now to prepare a straw man for discussion at the SDO meetings.
  - Could Herb work with Ken for this?
  - The sooner you start, the more discussions can take place with key contributors such as:
    - Mark Adamiak
    - Alex Apostalov
    - Christoph Brunner
- Ken – okay I think this work would be very helpful:
  - I would be willing contact Christoph to coordinate this and make sure it would be appropriate.
Action – Ken to contact Christoph and confirm to Ron on whether this seems to be a good idea.

Future meetings will occur on every second Monday at 7:00AM PST (10:00AM EST) starting on February 1, 2010.

Action Items:

1. Ron send out updated C37.118 -2005 gap list by Mark Adamiak.
2. Vahid will report (send notes) on the progress of incorporating NASPI work into IEEE standards.
3. Ken to contact Christoph Brunner to discuss the merits of having a proposed mapping document prepared for discussion at the next IEEE/IEC joint meeting of the HTF3 task force and confirm to Ron on whether this seems to be a good idea.