

IEEE Power Quality Subcommittee Meeting Minutes

July 28, 2010
Minneapolis, Minnesota

The meeting was opened at 9:00 AM on July 28, 2010 in L100G of Minneapolis Convention Center, Minneapolis, MN, USA. The Power Quality Subcommittee website is <http://grouper.ieee.org/groups/td/pq>

Introductions

Dan Sabin started the meeting off with the introductions of the twenty-two attendees, along with two IEEE staff personnel.

Previous Meeting Minutes

Minutes of January 13, 2010 meeting in .

Organization Chart Review

The organization chart for the Power Quality Subcommittee was reviewed as posted on the website, with the only correction noted being T.Unruh to replace R.Collins as chair of 1159.

Reports from Top Level Chairs

The following will provide a brief overview of their current activities:

Harmonics Working Group - Bill Moncrief

519/519.1 - still getting draft readied for ballot. discussion on possible next work, including raising the voltage distortion limits, low frequency interharmonic impact on voltage fluctuation, increasing harmonic range to cover the 2k-9kHz region, expanding scope to electronic loads, impact of distributed resources, and looking at 1000-3-6 for ideas.

Panel session scheduled for Wed afternoon.

Harmonic Modeling and Simulation - Gary Chang

Planning new tutorial with material similar to panel session. Current source and voltage source converter modeling papers, as well as modeling arc furnace.

Probabilistic Aspects --

Prepare review paper for methods of probabilistic aspects. Need new website with waveforms, simulation tools, and share experience using existing website of Brazilian colleagues that supports blogging/posting.

Voltage Quality - Dennis Hansen

1250 - draft was balloted, with 76 affirmative, 2 negative, 1 abstain out of 90. Met 80% return with 97% acceptance. Reviewed 117 comments and resolved most. Getting revised draft for Oct 12 web-call to review commented version. Still need vice-chair.

1453 - standard was administratively withdrawn due to 5 year expiration notice being not received by any active member of the working group. PAR being developed to re-create

standard with one year target using existing IEEE template and possibly latest 61000-4-15 (edition 2). 3 reviewers will be followed with web-call in October. Ken Sedziol was approved to replace Reuben Birch as chair.

1564 - document has been "reflowing" into the new IEEE and will be distributed for final input, with ballot expected prior to next meeting.

Discussion on taking on black box test protocol for "retrofit energy savings devices" lead to decision on finding a more appropriate working group to take on task. Alex Emmanuel of WPI and Bill Bartley of IEEE will be contacted as to what group is a best fit.

IEEE 100 is withdrawn into a on-line glossary of terms available to working chairs, who can request a copy. Also made available to members as a snap-shot CD or subscription service. If referencing definition in standards that is same as IEEE 100, now it should be put in definitions clause if it needs to be readily available to readers of document.

Monitoring PQ - Tim Unruh

1159 - no action

1159.3 - Dan Sabin

Group reviewed and informally decided on accepting or not approx 70 new IDs and GUIDs submitted to website that Dan Sabin created. Also voted to move forward with PAR to include XML work into the Annex along with editorial changes for next revision

1159.1 - discussion on whether to bring document back, as either on only sags, or as all the parameters covered in 61000-4-30. Will develop list of manufacturers to look for interest in participating.

PQ Solutions - Dave Mueller

1409 - held up due to "reflow" to IEEE template. Should be out for ballot soon.

1346- a review of the document will be done to see if any relevant portion remains that is not included in 1250 or some other current standard.

PQ Activities -- Wilsun Xu .

Did not meet but update by Wilsun of panel sessions and webcasts at PQSC meeting, who maintains a spreadsheet of planned and future sessions. Future meetings of group will be open to all. Several suggestions were proposed and few withdrawn. Of 138 papers in past two years, signal processing is largest at 36%, followed by modeling 17%. Majority are academic papers.

PQ Interest Group -- Bill Moncrief

Several informal presentations were made at the meeting.

New Business -

Next ICHP will be in Italy. Following in HongKong 2012.

Panel Sessions Update -- see PQ Activities.

Next Meeting

The next meeting of the subcommittee will be with the IEEE/PES Technical meeting in Atlanta during week of July 10th, 2011

Meeting adjourned at 11:45AM.

Attendees:

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