



IEEE Power Quality Subcommittee Meeting

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IEEE Power Quality Subcommittee

IEEE

IEEE Power & Energy Society

- IEEE Transmission and Distribution Committee

- **IEEE Power Quality Subcommittee**

- Working Group on Monitoring Power Quality
- Working Group on Voltage Quality
- Working Group on Harmonics
- Working Group on Power Quality Solutions
- Working Group on Power Quality Activities

IEEE Power Quality Subcommittee

- Chair: Dan Sabin
- Vice Chair: Tim Unruh
- Secretary: Rich Bingham
- Web Site: <http://grouper.ieee.org/groups/td/pq/>

Attendee Introductions

- Include mention of which working groups or tasks forces for which you are an officer

Officer Rotation

- The current officers have been in place for the past three years, so it is time to rotate them
- Proposed New Officers
 - Chair: Tim Unruh
 - Vice Chair: Rich Bingham
 - Secretary: TBD

Working Group Status

Working Group on Harmonics

- *IEEE 519 Recommended Practices and Requirements for Harmonic Control in Electrical Power Systems*
 - Working to have a vote and/or extension to IEEE 519 before December 31
- Writing a tutorial paper with a survey of spectral, time-frequency and probabilistic techniques for dealing with harmonics
- Proposing to Write Tutorial Paper on Aggregation of Harmonics Caused by Wind and PV Systems
- Planning to begin IEEE P519.1 Application Guide balloting in 2012

Working Group Status

Working Group on Voltage Quality

- *IEEE 1250 Guide for Service to Equipment Sensitive to Momentary Voltage Disturbances*
 - The guide was approved this spring. Presenting a summary of the standard during a Wednesday afternoon panel session.
- Discussed taking on a “black box” testing protocol for retrofit energy savings devices.
- IEEE P1564 Guide for Voltage Sag Indices
 - Formed ballot pool and will submit most recent draft for MET by IEEE Standards next week. Expects first ballot within months.

Working Group Status

Working Group on Voltage Quality

- *IEEE P1453 Recommended Practice for Measurement and Limits of Voltage Flicker on AC Power Systems*
 - Administratively withdrawn about 18 months ago via oversight, but was since balloted twice is waiting for approval by IEEE Standards. Based on 61000-4-15 Revision 2.
- Starting a new project (P1453.1) to adopt IEC 61000-3-7 as an IEEE standard with balloting expected to begin before end of year.
- Planning a new project (P1453.2), which would be an Application Guide with start in 2012

Working Group Status

Working Group on Monitoring Electric Power Quality

- *IEEE 1159 Recommended Practice for Monitoring Electric Power Quality*
 - Revised and published in 2009.
- Discussing whether next steps will be a revision to IEEE Std. 1159-2009 or to reform IEEE P1159.1
- Will focus on a white paper on power quality phenomena not discussed already in Std 1159

Working Group Status

Working Group on Power Quality Solutions

- *IEEE P1409 Guide for the Application of Power Electronics for Power Quality Improvement on Distribution Systems Rated 1 kV Through 38 kV*
 - Completed first ballot and addressed negative votes at this meeting
 - Expects to reballot within weeks.
- *IEEE 1346 Recommended Practice for Evaluating Electric Power System Compatibility with Electronic Process Equipment*
 - Withdrawn and no action yet within working group to write a replacement standard

Working Group Status

Working Group on Power Quality Activities

- Panel Sessions for GM 2012
 - “Alternative Uses of PQ Data” chaired tentatively by Wilsun Xu
 - “Theories, Experiences, and Practice with Waveform Distortion Assessment” chaired by Gary Chang and Roberto Langella

Working Group Status

Working Group on ICHQP

- International Conference on Harmonics and Quality of Power
- Planning next conference for Hong Kong from June 17-20, 2012

Subcommittee Paper Reviews for IEEE Transactions on Power Delivery

- Bill Moncrief
- Wilsun Xu

Next Meeting of Subcommittee and Working Groups

- January 10-12, 2012
- Orange County, California, USA