

IEEE Power Quality Subcommittee Meeting Minutes

July 22, 2008

Pittsburgh, PA

The meeting was opened at 4:02 pm on July 22, 2008 in Room 335 of the David Lawrence Convention Center. The Power Quality Subcommittee website is

<http://grouper.ieee.org/groups/td/pq>

Introductions

Chair: Mark Halpin

Vice-Chair: Dan Sabin

Secretary: Tim Unruh

Previous Meeting Minutes

A motion was made to approve the minutes by Rich Bingham. A second to approve the minutes was made by Randy Collins. The motion carried.

Power Quality Subcommittee Membership

The membership list was presented and reviewed. The list contains guest as well as member listings. At the time of the meeting, the list contained 16 members, out of a total roster of 40.

Officer Election

David Hansen moved, Alex Emanuel seconded to nominate Dan Sabin and Timothy D. Unruh as the Chair and Vice-Chair positions, respectively. Rich Bingham was nominated as the new incoming Secretary. No discussion was held, and the motion carried. Dan Sabin would chair and run the meeting at the next meeting in Orlando.

Upcoming Panel Sessions and Tutorials

Dennis Hansen passed out the panel session plan for the next two meetings. Wilsun Xu will be taking over the role of organizing the upcoming panel sessions as part of his role of Chair of the PQ Activities Working Group. We recently held 3 panels at the T&D show in Chicago in April, 2008. The panel sessions were 1159 Status and Update, PQ Solutions, and Preventing Electrical Pollution. It was indicated that 1159 Status had about 50 people, PQ solutions had about 70 people, and Preventing Electrical Pollution had about 40-50 people.

Upcoming panel sessions and sessions held at this meeting are included in the minutes in the attachments. The attachment is the summary provided by Dennis Hansen at the meeting. Some further discussion was held regarding future panel sessions.

Paper Reviews

Dan Sabin indicated that Manuscript Central, the IEEE paper review website will be updated soon. Dan and Bill Moncrief received training on the new system. Dan thought that it might be easier for users to access. Bill stated that the big change is with people that work with his assigned papers. You will receive an invite, and then you must click to accept the review. Dan has been doing this manually, Bill has been picking reviewers. Essentially, the process for receiving a paper to review will be slightly different.

Organization Chart Review

The organization chart for the Power Quality Subcommittee was reviewed by the group. A copy of the updated chart is attached to these minutes.

PQ Activities

Wilsun Xu reported on some actions taken by the PQ Activities Working Group. He would like to get the web site updated with more information. He would like to have a grid that shows the various standards from IEEE and IEC and what the statuses of the standards are.

Meeting Schedule Update

The meeting schedule was discussed. Mark gave some reasons behind the shortened schedule for the Pittsburgh meetings. In Orlando, Tim Unruh will send an email to the chairs, and ask them for a time requirement and commitment for holding a meeting. We will try to schedule around the Stray Voltage (Church DeNardo), Smart Grid (Erich Gunther), and Reliability Working Group (Chuck McDaniel) when forming the schedule for January 2009.

The next meeting of the subcommittee will be with the IEEE/PES Technical meeting in Orlando, FL, January 12-14, 2008.

The meeting was adjourned at 4:53 pm.

Attendees

The following persons attended the meeting on July 22, 2008.

Arneson, Art
Bingham, Rich
Burch, Reuben
Chang, Gary
Collins, Randy
Emanuel, Alexander
Gunther, Erich
Laughner, Theo
Little, Kevin
Luprek, David
Mantooth, Alan
Octmeyer, Tom
Page, Marty
Philips, Dean
Saint, Bob
Sedziol, Ken
Testa, Alfredo
Unruh, Timothy
Wikston, James
Wong, Brian
Xu, Wilsun



IEEE PES T&D Power Quality Subcommittee Panel Session and Tutorial Plan

Last revised: 18 Jul 2008

This revision includes the scheduling confirmation of the EAF Modeling and 519 Misapplications panels for Pittsburgh.

Panels at a Glance

Priority	Upcoming Meetings														
	T&D 2008 Apr 21-24 Chicago			SM 2008 Jul 20-24 Pittsburgh			PSCE 2009 Mar 15-18 Seattle			SM 2009 Jul 26-30 Calgary					
	Num	Designator	Stat	Num	Designator	Stat	Num	Designator	Stat	Num	Designator	Stat	Num	Designator	Stat
A	3	1159	Done	10	EAF Model	Schd				T1	Flicker Tut	Chr			
B	4	PQ Sol'ns	Done	1	519 MisApp	Schd				12	Measure HV	Prel			
C	5	Prevention	Done	2	Interharm	Sub									
D				XX	XXXXXX	XX				XX	XXXXXX	XX			

Status Codes	Prel	Preliminary idea; no chair yet found.	<i>Italics</i>	PQ Subcom. has approved panel.	Conf	TCPC has confirmed panel.
	Chr	Chair found and agreed to organize.	Sub	Panel has been submitted to TCPC.	Schd	Room and time have been scheduled .

Panel and Tutorial Descriptions and Ideas with Chairs

(Numbers correspond to those in the table above.)

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|--|---|
| 1. Common errors and misconceptions in the application of IEEE 519 | Chair – Paulo Ribeiro |
| 2. Interharmonics Case Studies and TD = THD + TID | Chair—Erich Gunther |
| 3. Monitoring and Characterization of Power Quality 1159 & 1159.1 . | Co-chairs Charles Perry & Randy Collins |
| 4. PQ Solutions – both Supply-side and Utilization-side. | Chair – Dave Mueller & Dan Sabin |
| 5. Preventing Electrical Pollution from Entering the Power System. | Chair – Dennis Hansen |

For questions or comments about this plan contact Dennis Hansen

dennis.hansen@pacificorp.com
801-220-4816



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| 6. The Economics of PQ —tie in to political-legal? | Chair—Mark McGranaghan? |
| 7. Integration of Monitoring Data | Chair—Mark McGranaghan? |
| 8. Experience with PQ Indices . | Chair—Rao Thallam |
| 9. PQ in Data Centers | Chair—Mike Lowenstein |
| 10. Measurement Techniques and Modeling Issues
of Electric Arc Furnaces | Chair—Gary Chang |
| 11. PQ Considerations for Applying Capacitors in Substations | Chair—Erich Gunther |
| 12. Measuring Harmonics on HV and EHV Systems | Chair—Randy Horton? |
| 13. Advanced Applications for PQ Monitoring | Chair—Dan Sabin |
| 14. Flicker and harmonics measurement issues and experience | Chair—? |
| 15. Cost of Flicker | Chair—Reuben Burch |

Tutorials

- | | |
|--|--------------------|
| T1. Understanding IEEE 1453 Flicker | Chair—Reuben Burch |
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