

# **IEEE Power Quality Subcommittee Meeting Minutes**

January 23, 2004

The IEEE Power Quality Subcommittee Meeting was convened on January 23, 2004. We met in the Orange County Convention Center in Orlando, Florida, USA. A total of nineteen people were in attendance.

## **Working Group and Task Force Reports**

### ***Working Group on Harmonics (IEEE Std 519)***

Draft 8 of IEEE 519.1 went through an editorial review at IEEE and a number of changes were identified. Draft 9 has been completed based on these suggestions and is being submitted to IEEE. Draft 9 will also be posted for on the IEEE 519 web site. Bill Moncrief submitted a revised PAR to make sure that the scope of the PAR agrees exactly with the scope in the actual document, which is an IEEE requirement. This was approved and also provides some extra time for getting the voting completed. We expect the document balloting to be reinitiated by April.

### **Task Force on Guide for Applying Harmonic Limits on Power Systems (P519A)**

IEEE 519 Draft 9 will be posted to its web site very soon.

### **Task Force on Harmonics Modeling and Simulation**

The task force met in Orlando and was chaired by Wilsun Xu.

### **Task Force on Probabilistic Aspects of Harmonics**

The task force did not meet in Orlando.

### **Task Force on Interharmonics**

The task force met in Orlando and was chaired by Erich Gunther. It has finished its first task of writing a paper on interharmonics. Its next job is to complete work on monitoring specifications.

### **Task Force on Low Voltage Active Harmonic Filters**

The task force did not meet in Orlando. This task force was dissolved at the Las Vegas working group meeting in 2003. However, Bill Moncrief recently had a discussion with Chuck Gougler, who was the chair of the task force. Chuck indicated that his new position would allow him to participate in IEEE activities once more, and that he wanted to renew the activities of the task force.

### ***Working Group on Voltage Quality (IEEE Std 1250)***

The working group did not meet in Orlando.

### **Task Force on Distribution Custom Power (P1409)**

The task force did not meet in Orlando. However, Dan Sabin reported that the P1409 guide is nearly complete and that Ambra Sannino plans to follow-up on its remaining actions items in the coming months so that the next meeting will focus on balloting issues.

### **Task Force on Voltage Flicker (P1453)**

The task force did not meet in Orlando.

### **Task Force on Distribution Voltage Sag Indices (P1564)**

The task force met in Orlando and was chaired by Dan Sabin. The latest draft was completed just before the meeting, which was the first in the latest IEEE standards template. The meeting focused on refining definitions and terms to be used throughout the guide. Draft 6 will be posted to the task force web site soon. The task force submitted a PAR extension a few months ago, but has not yet heard on its status.

### ***Working Group on Monitoring Electric Power Quality (IEEE Std 1159)***

The working group met in Orlando and was chaired by Randy Collins. The meeting focused on a working review of draft 2A of the 1159 revision. Good progress was reported by the working group chair, although the application for a PAR to revise the standard has not yet been completed. A new version will be posted to its web site as soon as its members provide new input.

### **Task Force on Recommended Practice for Power Quality Measurements in AC Power Supply Systems (P1159.1)**

The P1159.1 task force met in Orlando and was chaired by Charles Perry. It met to discuss its latest draft, which was recently posted to its web site. A new draft will be posted in March.

### **Task Force on Recommended Practice for Transfer of Power Quality Data (P1159.3)**

The IEEE P1159.3 Task Force met in Orlando and was chaired by Erich Gunther. The IEEE P1159.3 document has now cleared the administrative stages of acceptance, and is available for ordering on the IEEE Standards web site as IEEE Std 1159.3-2003. The task force is now working on two new projects: representation of PQDIF in XML and an application guide. The IEEE P1159.3 chair reported that the IEEE Power Systems Relaying Committee is initiating a study of IEEE PQDIF as a replacement for IEEE COMTRADE. Changes to IEEE Std 1159.3 will be ongoing as new GUIDs and constants are added, and these will be posted to the web site as a sort of addendum between official releases through IEEE Standards.

### ***IEEE Working Group on Power Quality Solutions***

This new working group did not meet, as it does not yet have a chair. It would be comprised of three task forces: the IEEE P1409 Distribution Custom Power Task Force

(which is nearly complete with the IEEE P1409 Guide), the IEEE P1346 Task Force (which is in maintenance mode of IEEE Std 1346-1998), and a new task force on low voltage power quality solutions). The discussion in Orlando resulted in a possible meeting organization. The working group would meet for three to four hours every six months with most of the meeting focusing on only one document which would be in draft form. However, at each meeting, one or two members would be charged with the task of editing or updating IEEE 1346 or IEEE 1409, which should only need minor changes each year. This would allow most of the working group members to focus on only one document that requires major writing tasks.

### **IEEE P1346 Task Force**

The IEEE P1346 Task Force did not meet in Orlando. It currently has no chair. The main activity on the task force was the reaffirmation of IEEE Std 1346-2003. During the summer of 2003, IEEE 1346 was balloted for reaffirmation. There was one negative ballot. However, since the task force lost its chair, no follow-up work on the ballot was completed until October 2003 when Dan Sabin noted that it was listed for administrative withdrawal. At this point, Dave Vannoy worked with the IEEE Standards office on completing its reaffirmation. There was one negative ballot based on a requested editorial change. Dave Vannoy contacted the negative balloter, and agreed that the change was appropriate, but it could not be addressed in the reaffirmation ballot because there was not time. He agreed that the task force would address the comment in the next revision. The ballot was recirculated with the negative comment in December 2003, but this time there were no negative comments. It is now being reviewed by IEEE RevComm. At the meeting, we discussed briefly that there is still no chair for the task force, and it was agreed to revisit this at the next meeting in Denver.

### ***Working Group on Power Quality Activities***

This is a new working group which is being formed. The chair of the working group will be Tim Unruh and its vice chair will be Wilsun Xu. It will have three task forces:

- Task Force on Power Quality Standards Coordination and Planning: Chaired by Mark McGranaghan
- Task Force on Power Quality Information Dissemination, Education, and Planning: Chaired by Mike Lowenstein
- Task Force on Power Quality Technical Session Planning: Chaired by Dennis Hansen

Its first meeting will be at the IEEE General Meeting in June 2004 in Denver, and it will take the 5:00 to 6:00 PM time slot on Tuesday afternoons. Dan Sabin will create a web page for this new working group at <http://grouper.ieee.org/groups/td/pq/activities/>. Tim Unruh will draft a working group scope in time for the next meeting.

### **Working Group Status Reports**

Each working group and task force chair was reminded that they need to submit a report to Tom Gentile and Dan Sabin to be sent to the IEEE T&D Committee.

## **Meeting Schedule**

Dan Sabin presented a three-day meeting schedule for the subcommittee and its working groups. The members present changed a few meeting times and added a time slot for the Working Group on Power Quality Activities. This meeting schedule will be sent to the IEEE T&D Committee for use during the upcoming general meeting.

## **Next Meeting**

The next meeting of the subcommittee and its working groups will be at the IEEE/PES General Meeting in Denver in June 2004.

*Minutes submitted by Dan Sabin, IEEE Power Quality Secretary*