

**IEEE Recommended Practice for Monitoring Electric Power Quality  
Std. 1159-1995(R2001)**

***Meeting Minutes***

PQ Subcommittee Technical Meeting, Las Vegas, NV  
January 17, 2005

The meeting was called to order by Randy Collins, Chairman.

The minutes of the summer 2004 meeting in Denver were reviewed and approved as corrected.

Attendees were asked to introduce themselves and sign the attendance list indicating their status as member or guest. One list was circulated for Members, and a separate list for Interested Parties. Participants were reminded that all correspondence is via email, so it is important that the lists reflect an up to date email address.

Status report from Task Forces

- 1159.1 – Charles Perry reported that the PAR extension had been approved, but expires in December of 2005. Issues remain unresolved regarding the copyright release from IEC to permit using IEC 61000-4-30 information in the P1159.1. A decision needs to be made regarding a path forward in order to meet the PAR deadline.
- 1159.3 – Erich Gunther reported that the PARs for 1159.1 and .3 were approved. The .3 meeting today will focus on generating an outline for the application guide.

Old Business:

- a. The status of action items from the previous meeting was reviewed
  - b. The Scope to be included in the new PAR proposed by Randy Collins was edited. It was M/S/C to approve the new Scope as edited.
  - c. The Purpose to be included in the new PAR proposed by Randy Collins was edited. It was M/S/C to approve the new Purpose as edited.
  - d. After discussion it was M/S/C that Unbalance be defined as the ratio of Positive to Negative Sequence Voltages. An accompanying comment should state that the ANSI C84.1 definition of the maximum deviation from the average is a good approximation when phase to phase voltage measurements are used.
- Those Chapters still needing discussion broke into groups for additional working sessions.

Action items are listed below:

- Submit PAR - Randy
- Submit latest revisions to chapters – Chapter Chairs
- Post Draft 4 on 1159 Web site – Dave
- Review ballot pool – Randy/Dave

Next Meeting:

San Francisco – June 6, 2005

There being no further business the meeting was adjourned.

Respectfully submitted,  
Dave Vannoy, Secretary