

**IEEE Standard 1159**  
**Recommended Practice on Monitoring**  
**Electric Power Quality**

**Meeting Minutes**  
**June 25, 2007**

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The meeting convened on June 25, 2007 at 1:12 pm in Tampa Florida at the Marriott Waterside Hotel.. The meeting was held in meeting room 10.

The meeting was attended by 14 persons. The meeting attendance is available.

The Chair, Randy Collins opened the meeting. The previous minutes were reviewed, and a motion was made to accept the minutes. The motion was seconded and there was no discussion. The motion to approve the minutes was passed. The minutes are posted on the 1159 website through IEEE. The access for the private area of the group was disclosed as: USERNAME: p1159 PASSWORD: monepq

Vice-Chair/Secretary, Tim Unruh, proceeded to discuss the membership list in an effort to clean up the list prior to standard publishing. Tim Unruh sent out an email recently to inquire about members, asking all recipients to respond. Tim Unruh went through the remaining list to determine if any others should be left on the list, as well as to determine if any email addresses are incorrect or missing. Tim Unruh indicated he would send a follow up email to those that did not respond and to those whose information was updated.

The Clause Chairs are listed below:

Clause Chairs

Clause 1-3 – Randy Collins

Clause 4 – Eric Gunther

Clause 5 – Tom Gentile

Clause 6 – Rich Bingham (unable to attend meeting)

Clause 7 – Tim Unruh

Clause 8 – Russ Ehrlich

Annex B – Randy Collins

The chair provided a rundown of the changes that were made to the document that will result in Draft 10. It is anticipated that the Draft 10 document will substantially be the one to be balloted. The remaining items to be cleaned up were the figures in the document and the references. Erich Gunther indicated that he could provide a Bibliography section that identified the Clause 4 references. Tim Unruh felt that with this, he could then reference the remaining Clause's items to this list and add those that were still missing.

Discussion was held on the definitions, further stressing that the definitions had to be those that were not defined in IEEE 100, and that those that were added to this standard would subsequently be included in an update to IEEE 100. A question arose as to how we would explain that some of our new definitions conflicted with previous power quality standards that were already published. It was decided that this new 1159 version was essentially trying to clean up previous inconsistencies and understandings.

Several definitions were listed in the form: Classification, modifier; modifier classification (i.e. Interruption, Momentary; momentary interruption). Several definitions of this form were included to ensure that IEEE 100 captured both uses.

Some discussion relating to the frequency response to Voltage and Current Instrument Transformers (PT's and CT's) was held. Figure 6-1 in the document shows a model within the graphic that shows a typical model for a CT. It was decided that the model was not needed and should be removed. However, it was decided that the figure showing the frequency response should remain in the document (it had been removed in Draft 10, but will be replaced). There was some discussion relating to the source of the data for the graph, and some volunteered to perform new testing to supply this information. Tim Unruh stressed that the time frame was not adequate for such data testing, and that this data would not enhance the understanding of the reader. It was resolved that if the figure could not be cleaned up or source data found, that new testing would be provided. (Post Note: the figure was cleaned up and will remain as it was in Draft 9 without the model in the figure).

The meeting was closed at 2:37 pm.