

IEEE Standard 519
Recommended Practice on Monitoring
Electric Power Quality

Meeting Minutes

The meeting opened at 1:00 p.m. on June 13, 2005 in the Union Square 23 Room of the San Francisco Hilton Hotel. The meeting was held as part of the 2005 Power Engineering Society General Meeting.

The meeting was opened by Randy Collins – Chairman of the committee.

A list of membership and interested parties was passed around to take a roll-call of those present. Eleven (11) persons signed in as Members; and one (1) person signed in as interested parties.

The meeting opening comments by the chairman were regarding the time frame of the meeting. It was noted that at 2:00 p.m., a panel session would begin that would take several person from the meeting. Furthermore, discussions were held regarding the concurrent meeting of the newly formed Stray Voltage Working Group. It was felt that attendance was low due to these conflicts. Due to the conflicts, it was decreed by the chairman that the meeting would be held to one-hour in duration.

The minutes from the previous meeting were not available to review.

In attendance at the meeting were three persons from the IEEE were in attendance. The chairman welcomed these visitors as: Jodi Haazs, Jennifer Steinhagen, and Yvette LASTNAME UNKNOWN. Some discussion ensued regarding the editing and correcting the recently submitted PAR. It was indicated that the PAR updates needed to be completed by Mid-August, 2005 in order to be submitted to REVCOM on their September 22, 2005 meeting. In particular, it was indicated that the PAR should list the stakeholders of the standard's information – the list did not have to be exhaustive, but should have a good representation of the persons and entities that would be affected by the standard. The requirement of stakeholders being listed is an ANSI requirement.

The chairman displayed the IEEE policy on copy write and proprietary information. The committee was allowed to peruse this policy briefly – no questions were raised regarding the policy.

Activity since the last meeting in January at the 2005 Committee Meetings in Las Vegas, NV was discussed. The chapter chairs held a conference call in March, 2005 to work to further the development of the standard. The chairman provided the most recent copy of the standard to the entire working group, and an editable copy to the chapter chairs. A PAR was submitted.

General discussions ensued:

A desire was stated that the 1159 committee wants to use the definition from 1453 – Flicker Standard, and want to know if another approval is needed from IEC (since 1453 pulls the major portion of its work from an IEC standard). The thought was that since IEEE already has the approval to use the information for 1453, that 1159 should be able to use it as well. However, the IEEE personnel indicated that another standard cannot use more than about 10% of the original work, nor could that standard use the “heart” of the work without approval. When using less than 10%, the source should be cited. Since 1150 only uses a definition, and thus less than 10%, and it is not the “heart” of the work, no approval is needed. However, there was general hesitation on this determination, as the rules for such use are not hard and fast – and are open to significant interpretation. The IEEE personnel (Yvette) indicated that each case should be reviewed specifically prior to completion.

New interpretations for definitions from IEEE – No definitions in Clause 3, Definitions should be repeated that are not newly defined terms. Only if there is further clarification or changes should they be there, and then they will be placed in the Std 100 IEEE dictionary at its next revision. If there is a desire to repeat a term’s definition that already exists elsewhere (std 100 or other standards), then the terms must be put in the glossary which is after the last Annex. IEEE does not want standards to “tweak” definitions from Standard 100, but only to include NEW definitions in the Definitions section. Any definitions that are found, and are found in Standard 100 will be challenged as to why there was a change or why it is not in the Glossary.

It was determined that 1159 will need to have a definitions section listing definitions not defined anywhere else, and then a glossary section that lists those definitions found elsewhere. This will be a major change in the structure of the standard.

Mandatory editorial review occurs when the standard is sent for a public ballot. Normally IEEE waits until this time, although the committee would like to do it earlier. This is typically 30 days prior to the ballot. They will point out major issues that might be encountered. They do not do professional editing at this point. The main objective is to get the document through REVCOM.

Changed Electric Utility and Electrical Utilitiy to Power Provider in document.
Need to add terms “Pst” and “Pit” in document. Need a table of abbreviations.

Need to see if there is any other content from 1453 that needs to go into the body of the document.

Decided to use the phrase “frequency deviation” instead of “frequency variation.” This means the document is unchanged from the original. Decision was based on the fact that “deviation” was already defined and established.

It was decided to put the “variation” term in the document and use a “see also” reference to the new term. We have several items that say “see”, and they should say “see also.”

Added a definition for “rms voltage variation.”

There was some discussion of the term “nominal” to use in this definition. Nominal can change over time, but other standards do define nominal in terms of fixed or floating. Could add a reference to another standard to define the type of nominal. Presently, draft 6 does have a definition for the fixed nominal.

We decided that the definition for RMS Voltage Variation was acceptable, but that we need to clean up the definition of nominal voltage.

Interharmonic components – the IEC standard definition from IEC-61000-2-1 will be used and cited properly.

Unbalance definition – decided to use “Unbalance” “the ratio of the negative sequence voltage to the positive sequence, expressed as a percent” (struck the word voltage). Need to remove the definition “Voltage Imbalance (Unbalance).” Need to delete all cases of IMBALANCE in the document.

Harmonic Content – proposed new definition. Could just use the Item #1 from the Standard 100 definition, to avoid creating a new definition. Chair asked for suggestions on this definition. A comment was made that the zeroth order was important to keep in document (DC component).

Bibliography – EVERY chapter chair must get their references updated.

TIMELINE:

- Chapter Chairs need Final Copy by July 15, 2005
- Chapter Chair Conference Call First Week of August, 2005
- Informal Meeting planned for the T&D Show in October, 2005
- Submit for Ballot by November 1, 2005

Motion to adjourn at 2:09 p.m. by Rich Bingham, second by Eric Gunther, passed.