

## Unapproved

### **Meeting Minutes Working Group on Voltages at Publicly and Privately Accessible Locations (P1695) July 21, 2008 Pittsburgh, PA**

Chuck DeNardo, Chair, presented the agenda and outlined the meeting. There were no additions to the agenda.

IEEE Slides concerning Patents, Duty to Inform, and other working group guidelines were presented and discussed. No one had any questions regarding the slides.

Introductions took place and an attendance roster was circulated.

The January, 2008 San Antonio meeting minutes were reviewed and unanimously approved.

#### General Discussion:

The chair made it clear that the intent of this meeting was not to “sit down on” specific terms and definitions, but rather to arrive at acceptable terms and definitions that would be used by the WG as it moves forward. The definitions would also be posted for additional comment.

#### “Stray” and “Contact” Voltage Definitions

A lengthy discussion took place regarding the draft definitions of “stray” and “contact” voltage that had been provided to participants by e-mail prior to the meeting. It soon became apparent that the drafts contained descriptive language that was not needed in the definition, and would be more appropriately contained in the body of the Trial Use Guide being created. In addition, several words were modified to more accurately convey the intended meaning. The original drafts (see July 9, 2008 e-mail) were reduced to the following:

Stray Voltage: A voltage resulting from the normal delivery or use of electricity which may be present between two conductive surfaces that can be simultaneously contacted by members of the general public or their animals. Stray voltage is not related to power system faults, and is generally not considered hazardous. (See also Contact Voltage)

Contact Voltage: A voltage resulting from power system faults which may be present between two conductive surfaces that can be simultaneously contacted by members of the general public or their animals. Contact voltage is not related to the normal

delivery or use of electricity, and can exist at levels that may be hazardous. (See also Stray Voltage)

During the discussion several comments and/or suggestions were made concerning related topics. A few of these follow:

- As defined, stray voltage may include publicly accessible DC potentials related to DC transmission. As such this topic should be discussed in the Guide.
- “Usually smaller than 10 volts” is a concept that should be included in the stray voltage section of the Guide, but some felt it should be replaced with something like, “Generally below a level that is recognized by accepted standards as hazardous.”
- A few individuals felt that “Induced Voltage” was a third independent category of publicly accessible voltage exposures and should be identified and defined separately.

Use of the terms “Stray” and “Contact” Voltage

Following the discussion regarding definitions, the group was asked to consider whether or not continued use of the terms “stray voltage” and “contact voltage” was appropriate. One individual, by way of written comment, felt that it would be more appropriate to use one new term to describe all publicly and privately accessible voltages, but nearly all present wanted to continue using the existing terms.

#### Additional Discussion:

The chair expressed concern that few people were stepping forward willing to put pen to paper and draft the various sections of the agreed to outline. As an example he indicated that a previous request for case study submittals had not resulted in even one submittal. Several individuals indicated their willingness to be involved in a review of drafts, no one volunteered to take responsibility for a specific section.

The group was told that Jim Bouford was scheduled to give a presentation concerning “The Utility Perspective on Calculating “Stray Voltage” at a PSACE Panel Session on Stray Voltage Analysis Techniques Wednesday morning.

There will likely be a working group web meeting prior to the next face to face meeting (details to follow).

The next face to face meeting of the working group will be at the 2009 PES Winter Technical Committee Meeting, date and location unknown.

The meeting was adjourned.