

IEEE/PES TRANSFORMERS COMMITTEE

IEEE STANDARD REQUIREMENTS, TERMINOLOGY, AND TEST PROCEDURES FOR NEUTRAL GROUNDING DEVICES - WORKING GROUP C57.32

DRAFT & PRELIMINARY UNAPPROVED MEETING MINUTES

Dallas, Texas – March 13, 2007

Chairman: Steve Schapell

Acting Chairman/Reporting : Peter Balma

The Working Group for IEEE Standard Requirements, Terminology, and Test Procedures for Neutral Grounding Devices was called to order at 9:32AM on Tuesday March 13, 2007, by Peter Balma as October 24, 2006. There were 11 attendees. Minutes from the previous meeting were unavailable for comment.

- 1) IEEE patent policy was reviewed and the group was asked if there were any disclosures. There were none.
- 2) The progress and history of the working group was reviewed, and the meeting was opened to New Business. There was good discussion from the attendees and the follow items summarize the salient points discussed.
 - The continuous current ratings for neutral grounding devices is unclear, can the document clarify this requirement.
 - How can the testing of these devices be coordinated with testing these devices as part of a system, e.g., how should testing of a transformer proceed when a neutral ground device is attached to the transformer. Can this guide provide some guidance or considerations that could be made?
 - As previously discussed short circuit currents in this document are calculated differently than indicated in C57.12. Richard Dudley indicated that both are correct, but start from different base assumptions. An explanation of this will be placed in the standard.
 - It was pointed out that the resistor section of the document does not consider stainless steel resistors only copper and aluminum. The resistor industry makes extensive use of stainless steel, and guidance is needed in this area for both the users and manufacturers. Many types of stainless steels are utilized and their characteristics vary substantially.
 - It was suggested that an Informative tutorial annex and a more extensive bibliography on neutral grounding would be beneficial to this document and its users.
 - Another question was raised on the insulation levels for the ground terminal of neutral resistors, and the validity of these requirements. This area will require investigation by the working group.
 - Sergio Panetta, offered to the group a draft guide for Proposed Requirements for Neutral Grounding devices. He will send an electronic copy for the working groups use.