

7.1 Underground Transformers and Network Protectors - Carl G. Niemann

Meeting Minutes – Pittsburgh, Pennsylvania

7.1.1 Introduction/Attendance

The Underground Transformers and Network Protectors Subcommittee met on Wednesday, October 8, 2003, in the Waterfront room of the Sheraton Station Square Hotel at 9:30 AM with seven members and three guests present.

7.1.2 Approval of Minutes

The minutes of the March 19, 2003 meeting in Raleigh, North Carolina were approved as submitted.

7.1.3 Membership

One guest Dave Blew requested membership, he will replace Ernie Nole from PSE&G who retired. Membership stands at 20 members.

7.1.4 Chairman's Remarks

Administrative Subcommittee Notes Reported to SC

- Attendance at meeting is 306 registered and 40 companions.
- The subcommittee was informed that IEEE had agreed to allow dual dimensioning in the Transformer Standards.
- Discussion on the use of the IEEE/IEC Dual Logo.
- The subcommittee was informed that beginning January 2004, Ken Hanus would move to Chairman, Don Fallon would move to Vice Chair, and Tom Prevost would become Secretary

7.1.5 Working Group Reports

7.1.5.1 Three-Phase Underground-Type Transformers (C57.12.24) J. Sullivan / Giuseppe Termini – Co-Chairman

1. Met on Monday, October 6, 2003, at 9:30 AM in the Reflections Room with nine members and five guests present. Giuseppe Termini chaired the meeting
2. Minutes of the March 17, 2003 meeting in Raleigh were approved.
3. The Working Group agreed to pursue a new PAR for revision of the document to address suggested changes brought up at the Raleigh meeting.
4. The task made up of: Giuseppe Termine, Brian Klaponski, Dan Mulkey, and John Sullivan, will work on needed revisions prior to the next meeting.
5. The question of reaffirmation of the standard was brought up. Giuseppe will contact Tom Prevost to determine if the standard requires reaffirmation.
6. David Blew of PSE&G requested membership into the Working Group.
7. Meeting was adjourned at 10:30 AM.

7.1.5.2 Liquid Filled Secondary Network Transformers (C57.12.40) B. Klaponski -Chairman

1. Met on Monday, October 6, 2003 at 3:15 PM with nine members and 11 guests present.
2. Minutes of the March 17, 2003 meeting in Raleigh, North Carolina were approved as submitted.
3. The Chairman summarized the existing PAR and the fact that IEEE Standards Board has now approved dual dimensioning. The existing PAR had been approved such that the existing C57.12.40 – 2000 document (that was published by NEMA) could be corrected for significant editorial errors. These errors were reviewed by the WG about two years ago; however, the IEEE metrification policy had not allowed us to simply correct these errors and publish an IEEE C57.12.40 document. The Chairman noted we could now complete the existing PAR. The Chairman had made a request to the IEEE Editorial Staff for an electronic version of the current NEMA published document such that a full draft of the changes could be made.
4. The WG continued the rest of the meeting as if we were working under a new PAR. A new PAR will be applied for after the completion of the existing PAR.
5. The network transformer high voltage switch was discussed. Larry Dix, of Quality Switch, had prepared a handout with revised wording of the switch requirements including the criteria for successful completion of a short circuit test This was discussed and comments were requested from two other switch manufacturers – GE and ABB. John Crouse had volunteered to contact the appropriate people at GE and the Chairman will contact Steve Schroeder of ABB. It was suggested that the switch pass/fail requirements perhaps be located in a normative annex.
6. The 2000 document eliminated Part II of this standard because of lack of participation from ConEd. Joe Cultrera was present and talked to this issue. ConEd will undertake to state their position on Part II to our WG by the end of 2003. The WG generally agreed during discussion that an inpregnation of Part II into the existing standard would be a preferable way of handling this in the next revision, provided ConEd actively participates.
7. The meeting was adjourned at 4:00 PM.

7.1.5.3 Secondary Network Protectors (C57.12.44) D.H. Mulkey – Chairman

1. Met on Monday, October 6, 2003 at 1:45 PM with five members and twelve guests present.
2. Minutes of the March 17, 2003 meeting in Raleigh, North Carolina were approved as written.
3. Discussion centered on:
 - A. Metrification – figures in Annex H (dual dimensioned) will replace figures in standard which are metric. only
 - B. Section 5.2.5, BIL, was removed – to be held for future revision.
 - C. Section 5.2.4 will need revision in the future to deal with testing when fuses are silver sand.
 - D. Old Table 4 was removed – to be held for future revision.
 - E. Section 4.1.4 – removed 2nd paragraph; generation on network will need work in future.
 - F. Removed “min.” from headings in Table 3.
 - G. Standard needs to be ready for balloting at end of San Diego meeting.

4. Next meeting will be held in San Diego, California on March 8, 2004.

A. One working group session required for the next meeting.

5. The meeting was adjourned at 2:57 PM.

7.1.5.4 Ventilated Dry-Type Network Transformers (C57.12.57) A.L. Robinson – Chairman

No report, Chairman not in attendance. Working Group discussed the need for this standard. It was decided to let this standard die a natural death.

7.1.6 Old Business

1. Tom Prevost attended the meeting and clarified the metrification issue to the SC. Tom told the group IEEE had not changed its policy on metrification, only the implementation, this allows us to use dual dimensioning in our product standards

7.1.7 New Business

1. A moment of silence was observed for R.B. Robinson who had passed away. RB was chair of the C57.12.44 WG before his retirement
2. Dan Mulkey made a request that all WG's begin using the Web Page to post standards.

7.1.8 Future Meetings

The location and dates for future meetings are as follows:

March 7-11, 2004	San Diego, California
September 19-24, 2004	Edinburgh, Scotland
Spring 2005	Jackson, Mississippi

7.1.9 The Subcommittee adjourned at 10:45 AM.