

8.1 Underground Transformers and Network Protectors - Carl G. Niemann

Meeting Minutes - Las Vegas, Nevada

8.1.1 Introduction/Attendance

The Underground Transformers and Network Protectors Subcommittee met on Wednesday, October 27, 2004, in the Estancia BC room of the Green Valley Ranch Resort & Spa at 9:30 AM with eight members and four guests present.

8.1.2 Approval of Minutes

The minutes of the March 10, 2004 meeting in San Diego, California were approved as submitted.

8.1.3 Membership

Membership stands at 20 members. One guest Isran Bamentos requested membership at meeting.

8.1.4 Chairman's Remarks

Administrative Subcommittee Notes Reported to SC

- The Chair reiterated that it was necessary to discuss patents at all future meetings

8.1.5 Working Group Reports

8.1.5.1 Underground Single Phase Transformers (C57.12.23) A. Traut – Chairman

1. The WG met on Monday, October 25, 2004, with 16 members present.
2. Minutes of the Spring meeting in San Diego were approved as submitted.
3. Patent/Disclosure was announced. No patent issues were raised.
4. After discussion it was voted on and approved to change the title of the standard to **“Submersible Single-Phase, Transformers; 167 kVA and Smaller; High Voltage 2500V and Below; Low Voltage 600V and Below.**
5. Sec. 1.1: Change “underground” to :submersible” in first sentence.
6. Sec. 4.2: Add “certain” before accessories and change may require to “will require”
7. Sec 7.4: Move last sentence “An oil-level” To Sec. 7.3.
8. Sec 7.3: Move the paragraph beginning with “The lifting provisions shall be” to the Tank Section. It was agreed this is not part of accessories.
9. Combine 7.5 “Enclosure Integrity” and 7.4 “Liquid Preservation”. Change upper limit of temperature range to 120⁰C.

8.1.5.2 Three-Phase Underground-Type Transformers (C57.12.24) Giuseppe Termini Chairman

1. Met on Monday, October 25, 2004, at 8:00 AM in the Estancia A room with nine members and fourteen guests present.
2. Minutes of the Spring meeting in San Diego were approved.
3. The patent/disclosure issue was discussed. No issues raised.
4. Discussions under old business:
 - The chairman stated he will work with Bill Chiu to initiate a PAR so that working group can begin work on revision to this standard.
 - It was voted to change the title to **“Submersible Three-Phase Transformers; 3750kVA and Smaller”** (an increase from 2500kVA). The Purpose and Scope were also changed to agree with .23.
 - Dan Mulkey stated that Sec. 1.2 should be under the Scope and Sec. 1.1 should be under the Purpose. It was voted on and approved to make this change
5. Discussions under New Business:
 - SC Chairman stated all future meetings will have meeting rooms wired with wireless interconnects.
 - SC Chairman also stated that the AM System was fully functional and that all members should log into the system and make sure all their edata was correct or register if they haven't done so.
6. The meeting was adjourned at 9:15 AM.

8.1.5.3 Liquid Filled Secondary Network Transformers (C57.12.40) B. Klaponski – Chairman

1. Met on Monday, October 25, 2004 at 9:30 AM with 14 members and one guest present.
2. Minutes of the March 8, 2004 meeting in San Diego were approved as submitted.
3. The Chairman reported that the standard was now in the start of the balloting process. This ballot is to correct errors in the last revision by NEMA.
4. There was discussion on throat height dimensions for network protectors, primary grounding switch requirements, and NEMA defined transformer terminals. These changes will be made in the next revision.
5. Patents were discussed. There were no issues.
6. The meeting was adjourned at 10:45 AM.

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

1. Met on Monday, October 25, 2004 at 1:45 PM with five members and one guest present.
2. Minutes of the March 8, 2004 meeting in San Diego, California were approved as written.

3. Discussion centered on:
 - A. Chairman reported ballot was successful
 - 94% return
 - 97% affirmative
 - One negative ballot
 - B. Reviewed the 28 submitted comments and agreed to make many small changes.
 - C. Chair will discuss results of his discussion with the negative balloter
 - D. Patents were discussed. No issues.
4. Meeting adjourned at 2:44 PM

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

No report, Chairman not in attendance. Working Group discussed moving this to new category

8.1.6 New Business

- A. There was discussion on renaming the SubCommittee. It was voted on to change the name to **“Submersible and Network Equipment”**. This will be reported at the next AdCom meeting for approval.
- B. We then discussed some serious problems we are having with how the PAR creation/editing/balloting process works. Discussion centered on how apparent it is becoming that the process is a burden to WG chairs. We must remind ourselves that we are a customer of the IEEE and as such the IEEE should be supplying administrative services to allow us to concentrate our efforts on the technical standards and not worry about the ever changing administrative process. Our decision was that we would strongly recommend that this entire process be thoroughly reviewed with an objective to make the process “lean” or user friendly. To us the current process appears to be an improvement from an IEEE administrative perspective, however, it has created significant additional work for WG chairs

If others feel as we do, please let us know. As a united front we were able to Resolve the MOU and metrification issues. Hopefully we can also resolve this issue and make loife simpler for all the important volunteer work we are doing.

8.1.7 Future Meetings

The location and dates for future meetings are as follows:

March 13-18, 2005

Jackson, Mississippi

8.1.8 The Subcommittee adjourned at 10:45 AM.