

LOG OF MEETING
DIRECTORATE FOR ENGINEERING SCIENCES

SUBJECT: Underwriters Laboratories Standards Technical Panel (STP) for UL 1449,
Transient Voltage Surge Suppressors

DATE OF MEETING: May 14, 2004

PLACE OF MEETING: Hotel, St. Pete's Beach, FL

LOG ENTRY SOURCE: Doug Lee, ESEE *DL*

DATE OF LOG ENTRY: June 28, 2004

COMMISSION ATTENDEES: Doug Lee, ESEE

NON-COMMISSION ATTENDEES:

UL 1449 Standards Technical Panel (STP) members and guests (see attached)

SUMMARY OF MEETING:

Mr. Lee attended the STP meeting for UL 1449, Transient Voltage Surge Suppressors. The STP met to discuss various proposals. See attached agenda items.

Mr. Lee discussed the CPSC staff concerns with incident samples. In November 2002, CPSC staff sent a letter to UL providing incident data on cord and plug surge suppressors. This data included incidents with products listed to the second edition of the standard. It also provided recommendations to improve the standard. In November 2003 UL sent a response to the CPSC letter indicating that they may propose intermediate values for the Abnormal Overvoltage tests if their market survey in late 2003 indicated a need. During the meeting UL proposed for discussion (proposal 3) these Abnormal Overvoltage tests with a short circuit current of 50 and 150 Amps (cord and plug units).

Mr. Lee stated that CPSC staff completed some independent testing on samples using a test method developed by a NIST expert limiting the available fault current to 75 amperes. The 75 amperes was taken from a UL study for the Electronics Industry Association that surveyed typical available fault current levels at branch circuits in some selected residences. This study indicated that nearly all receptacles have 75 amperes of available fault current. The CPSC staff tests were able to duplicate some of the field incidents using this method which is believed to represent actual field conditions. This testing indicated a possible "blind spot" in present UL 1449 testing.

APPENDIX A**AGENDA FOR THE MEETING OF THE STANDARDS TECHNICAL PANEL FOR SURGE
PROTECTIVE DEVICES**

Please note that agenda items submitted with specific wording have been identified as PROPOSALS.

ORDER OF BUSINESS

- 1) Call to order.
- 2) Announcements.
- 3) Introduction of members, guests, and observers.
- 4) Additions or corrections to the agenda.
- 5) Announcements and reports from the Secretary.
- 6) Discussion of each STP Agenda item (See "Summary of Topics" below).
- 7) New business (time permitting)
- 8) Future meeting schedule.
- 10) Adjournment.

SUMMARY OF TOPICS

- 1) Secondary Surge Arresters
- 2) Intermediate Short Circuit Current Ratings (SCCR) Test Levels
- 3) Recognized Component Metal Oxide Varistors
- 4) Hospital Grade Components
- 5) Glossary Items
- 6) Marking Requirements for 61.15.1
- 7) Requirements for Receptacle Faceplates with Integral TVSS
- 8) Miscellaneous Revisions
- 9) Tutorial presentation "Black Boxes Beget Blind Spots: Pitfalls to avoid in testing SPDs"

STP 1449 MEETING
MAY 12-14, 2004
ST. PETE BEACH, FLORIDA
EXPECTED ATTENDANCE ROSTER

1. Andi Haa
2. Tony Surtees Erico
3. Corey Leavitt EFI
4. Randy Goodrich EFI (Guest)
5. Ed Lobnitz Tilden, Lobnitz, Cooper, Inc.
6. Steve Liscinsky Hubbell incorporated (Guest)
7. Curtis Domsch Atlantic Scientific
8. Michael Gerlach Advanced Protection
9. Lou Farquhar Advanced Protection (Guest)
10. Chuck Jensen Duke Power
11. Bob Blanchette FAA/Lockheed Martin
12. Tom Conrad LEA
13. Bill Goldbach Danaher Power Solutions
14. Scott Choinski NEMA
15. Tom Phipps Thor Systems (Guest)
16. Ray Hill GA. Tech/ NEETRAC
17. Dalibor Kladar Eaton Electrical (Substitute)
18. Joseph Koepfinger J.L. Koepfinger P.E. Consulting
19. Byron McMillan UL
20. Brad Schmidt UL
21. Joe DeGregoria UL
22. Mitchell Guthrie NFPA
23. Dave Rowley Transtector Systems
24. Frank Waterer Schneider Electric
25. Arnold Offner Phoenix Contact (Substitute)

26. Kenneth Brown Leviton (Guest)
27. Frank Tse Leviton (Guest)
28. Richard Mitchell Ditek Corp.
29. Hung Tu Ditek Corp. (Guest)
30. Bryan Cole Schneider Electric
31. Alan Manche Schneider Electric
32. Frank Brueggner Technology Research Corp. (Guest)
33. Doug Lee CPSC
34. Robert Murphy Orange County Utilities (Guest)
35. Brian Walaszczyk Littelfuse (Substitute)