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**LOG OF MEETING
DIRECTORATE FOR ENGINEERING SCIENCES**

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

DATE OF MEETING: October 15, 2004

PLACE OF MEETING: Lennox Marriott, Atlanta, GA

LOG ENTRY SOURCE: Doug Lee, ESEE *DL*

DATE OF LOG ENTRY: November 3, 2004

COMMISSION ATTENDEES: Doug Lee, ESEE

NON-COMMISSION ATTENDEES:

UL 1449 Standards Technical Panel (STP) members
Bradley Schmidt, UL 1449 Chair
Byron McMillan, UL 1449 Project Manager
Joe Degregoria, UL 1449 Principal Engineer
Robert Blanchette, FAA/Lockheed Martin
Jim Pharr, FAA
Scott Choinski, NEMA
Bryan Cole, Control Concepts
Michael Gerlach, Advanced Protection Technologies
Andi Haa, Consultant
Raymond Hill, University Lab, Ga. Tech
Joseph Koepfinger, J.L. Koepfinger P.E. Consulting
Corey Leavitt, EFI Electronics
Ed Lobnitz, Tilden, Lobnitz, Cooper Inc.
Dave Rowley, Transtector Systems
Tony Surtees, Erico

Invited Guests

Ken Brown, Leviton
Tom Conrad, LEA International
Bill Goldbach, Danaher Power Solutions
Randy Goodrich, EFI Electronics
Dalibar Kladar, Eaton
Frank Tse, Leviton
Brian Walaszczyk, Littlefuse
Frank Waterer, Schneider Electric
Darrell Wilson, Florida Power Systems
Carl Bloomfield, ETL
Adreas Koulaxouzidis, Raycap

Jonathan Cornelius, Electrical Protection
James Funk, Eaton
Bruce Melton, CSI Telecommunications

SUMMARY OF MEETING:

Mr. Lee attended the STP meeting for UL 1449, *Surge Protective Devices/Transient Voltage Surge Suppressors*. The STP met to discuss comments on the balloted proposals for the third edition of the standard. See attached agenda items.

Mr. Lee discussed the CPSC staff concerns with the number of incident samples being tested under topic 2 of the ballot based on the results of some CPSC staff tests. The STP previously received 95% of the ballots in favor of the testing requirement with one sample for each conductor pair.

UL agreed that more than one sample should be tested and suggested three samples. A straw vote was taken and there appeared to be support for testing three samples for cord and plug connected devices. A task group was formed to make a recommendation to the STP. The STP asked the task group to also include recommendations for pass/fail criterion.

A discussion was held on whether to wait for the completion of other requirements or to publish the third edition of the standard with the changes that have been balloted. Many members of the STP did not want to wait too long before the new revisions would be added. The status of additional requirements will be reviewed in early 2005. The minutes of the meeting will be published by UL in 30 days.

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) Report from Working Groups.
- 7) Discussion of each STP Agenda item. (See Summary of Topics below)
- 8) New business (time permitting)
- 9) Future meeting schedule.
- 10) Adjournment.

SUMMARY OF TOPICS

- 1) Comment Resolution Matrix Discussion (See Matrix in Appendix B.)
- 2) Production line testing on component TVSS's (MOV's).
- 3) TVSS for LPS update from the Chairman.
- 4) Progress on the evaluation of TVSS's for LPS applications.
- 5) Revision to 280.4 National Electrical Code regarding short circuit current rating on surge arresters.
- 6) The use of IEEE C62.34 (4/6/04 bulletin) to evaluate secondary surge arresters.
- 7) TVSS's and Surge Arresters installed on ungrounded systems.
- 8) 2004 Revisions for UL 1449.