

**LOG OF MEETING
DIRECTORATE FOR ENGINEERING SCIENCES**

SUBJECT: Underwriters Laboratories Standards Technical Panel (STP) for UL 1699,
Arc Fault Circuit Interrupters

DATE OF MEETING: June 23, 2005

PLACE OF MEETING: Underwrites Laboratories, Northbrook, IL

LOG ENTRY SOURCE: Doug Lee, ESEE *DL*

DATE OF LOG ENTRY: July 26, 2005

COMMISSION ATTENDEES: Doug Lee, ESEE

NON-COMMISSION ATTENDEES:

See attached for STP roster (not all listed attended)

SUMMARY OF MEETING:

Mr. Lee attended the STP meeting for UL 1699, Arc Fault Circuit Interrupters. The STP met to discuss comments on the proposals for the standard. Following is a Summary of Topics for discussion at the meeting:

1. Revision of the requirements for cord AFCIs rated 120/240V and 120V intended for a dedicated load
2. Clarification of the requirements for the short circuit current test
3. Addition of the requirement that AFCIs must remain operable after the short circuit current test
4. Clarification of the requirements for the overcurrent protective device used in the short circuit current test of 66.3
5. Addition of the requirements for the ground current test for branch/feeder AFCIs (new section 70)
6. Revision of the requirements for outlet circuit AFCIs to increase the short circuit current test value in Table 66.1 from 2kA to 5kA
7. Revision of the requirements for branch/feeder AFCIs to increase the short circuit test current value in Table 66.1 from 5kA to 10kA
8. Relocation of the requirements for LCDIs from UL 1699 to another standard, such as UL 1664
9. Presentation on AFCI field operation and potential improvements to UL 1699
10. Discussion of limitations on "environmental characteristics"
11. Discussion of simulated waveform testing versus direct tests
12. Laboratory demonstration of low-level ground fault detection in branch/feeder AFCIs
13. Discussion of standardized testing methods for AFCIs

Standards Technical Panel (STP) Roster



STP 1699 Roster as of 2005-07-26 03:18:31 PM (CDT)

Total Members: 27

Name	Category
ALFORD, R - CITY OF SEATTLE	User
ARENDT, T - SHAMROCK ELECTRIC CO INC	User
BECKER, R - ENGINEERED ELECTRICAL SYSTEMS	User
CAMPOLO, S - LEVITON MFG CO INC	User
FLEDER, ADAM - TEGAM INC	General
GANDOLFI, P - TECHNOLOGY RESEARCH CORP	Producer
GOODSELL, J - HUBBELL INC WIRING DEVICE-KELLEMS	Producer
GREGORY, GEORGE - SQUARE D CO	Producer
HERTEL, J - STATE OF WISCONSIN	User
JONES, J - (No Affiliation Listed)	General
JORDAN, J - STATE FARM INSURANCE CO	General
KIMBLIN, CLIVE - CUTLER-HAMMER INC, SUB OF EATON CORP	Producer
Larocca, Robert L. - Underwriters Laboratories Inc.	User
LEE, D - CONSUMER PRODUCT SAFETY COMMISSION	Non voting member
LEOPOLD, HOWARD - COOPER WIRING DEVICES	Producer
MARKS, T - VICTOR CO OF JAPAN LTD C/O JVC AMERICAS CORP	User
MASARICK, J - INDEPENDENT ELECTRICAL CONTRACTORS INC	General
Minasian, Edward D. - Underwriters Laboratories Inc.	Project Manager
OWENS, T - CITY OF SANTA CLARA	User
PACKARD, T - PASS & SEYMOUR/LEGRAND	Producer
PIQUEIRA, P - GENERAL ELECTRIC CO INDUSTRIAL SYSTEMS	Producer
RUGGIERI, J - GENERAL MACHINE CORP	General
Schmidt, Bradley J. - Underwriters Laboratories Inc.	Chair
SHEEHAN, J - NATIONAL FIRE PROTECTION ASSOCIATION	General
SIMOES, B - TEXAS INSTRUMENTS INC	Producer
SPEHALSKI, R - LUTRON ELECTRONICS CO INC	General
YOUNG, J - SIEMENS ENERGY & AUTOMATION INC DISTRIBUTION PRODUCTS DIV	Producer