MEETING LOG

UL IAC MEETING FOR PORTABLE ELECTRIC TOOLS

SUBJECT: UL Industry Advisory Conference (IAC) of Portable Electric Tools and Stationary Electric Tools; Request for Comments on Proposed Requirements for Standard for Stationary and Fixed Electric Tools, UL 987.

DATE OF MEETING: October 13, 1998

PLACE OF MEETING: UL Research Triangle Park Office

LOG ENTRY SOURCE: Caroleene Paul, Engineering Sciences C.P.

COMMISSION ATTENDEES:

Caroleene Paul, Engineering Sciences

NON-COMMISSION ATTENDEES:

See attached attendance list.

SUMMARY OF MEETING:

CPSC presented injury data on table saws and the resulting concerns regarding tablesaw blade guards. The IAC members asked for copies of CPSC's incident reports. No information or industry concerns were volunteered by any IAC members.

UL meeting log attached.

Subjects 45 (745 series, 987)
(In reply, refer to Subject 45)

12 Laboratory Drive
Research Triangle Park, NC 27709
December 4, 1998

TO: Industry Advisory Conferences of UL for:
Portable Electric Tools, and
Stationary and Fixed Electric Tools;
Casualty Council of Underwriters Laboratories Inc.,
Consumer Advisory Council of Underwriters Laboratories Inc.,
Electrical Council of Underwriters Laboratories Inc.,
Subscribers to UL's Standards Services for:
Portable Electric Tools,
Stationary and Fixed Electric Tools, and
Bi-National Standard for Portable Electric Tools

SUBJECT: Report of the Meeting of the Industry Advisory Conferences of UL for Portable Electric Tools and Stationary Electric Tools; Request for Comments on Proposed Requirements for the Eighth Edition of the Standard for Portable Electric Tools, UL 45; Request for Comments on Proposed Requirements for the Sixth Edition of the Standard for Stationary and Fixed Electric Tools, UL 987; PROPOSED EFFECTIVE DATE

SUMMARY OF TOPICS

The following topics were discussed at the meeting:

1. 745 Update
2. Voltage Limits for Battery-Operated Tools
3. Insulation Systems Evaluation
4. Accessories
5. Significant Interpretations
6. Multiple Supply Connections
7. Table Saw Guarding
8. Products Evaluated to ANSI 01.1
9. Jointers
10. Allied Standards
11. Temperature Limits on Components in Battery-Operated Tools

COMMENTS DUE: JANUARY 29, 1999

7. TABLE SAW GUARDING (987)

DISCUSSION

UL introduced Ms. Caroleene Paul of the Consumer Product Safety Commission. The CPSC had expressed concern with the frequency of injuries involving table saws, and Ms. Paul was invited to the IAC meeting to discuss the CPSC accident data and concerns. The CPSC was most concerned with the number of injuries that occurred with the table saw guarding removed. Following some discussion on the issues related to table saw guarding and the need to remove guards for some types of cuts, the IAC members were asked to review the CPSC accident reports and their own data and provide input to UL on this issue.

The National Injury Information Clearinghouse collects accident data via the National Electronic Injury Surveillance System. Data can be obtained from their website at www.cpsc.gov/about/clrnghse.htm

8. PRODUCTS EVALUATED TO ANSI 01.1 (987)

DISCUSSION

UL discussed the situation with the ANSI 01.1 Accredited Standards Committee. The ANSI Committee proposed to add an explanatory note to the scope of ANSI 01.1 that would reference UL 745 Standards and UL 987. UL explained that the explanatory note in 01.1 does not imply that tools rated more than 2 hp cannot be evaluated to UL 987. The IAC questioned the definition of continuous rating in the explanatory note. The 1999 NEC defines continuous load as a load where the maximum current is expected to continue for 3 hours or more, and defines continuous duty as operation at a substantially constant load for an indefinitely long time. The IAC suggested that the evaluating criteria for tools to 01.1 are not concise. UL reported to the IAC that UL has offered standards development resources to assist the ANSI Committee with the development of a new, more concise standard. The IAC suggested that the explanatory note in ANSI 01.1 needs to define continuous rating.

9. JOINTERS (987)

DISCUSSION

Robert Carson presented a proposal to revise the current requirements in paragraph 36.2(d). The requirement states that the uncut portion of the workpiece following a rabbet cut shall not exceed ¾ of an inch. Mr. Carson wants to limit the rabbet cut to no more the ¾ of an inch. Removing too much wood in a single pass is the main concern for safety. The IAC questioned the origin of the ¾ of an inch cut. UL will respond with a bulletin to the IAC regarding the rabbet cut.

APPENDIX B

ATTENDANCE AT THE OCTOBER 13, 1998 JOINT MEETING OF THE IAC'S FOR PORTABLE ELECTRIC TOOLS AND STATIONARY ELECTRIC TOOLS

Industry Representatives

Robert A. Carson	Delta
E. Donald Fiedler	Emerson Tool Company
Ferdinand Goebel*	Robert Bosch GmbH
Thornton H. Gogoll	Black & Decker
Edward John*	Sioux Tools
David V. Keller	Porter-Cable
James Montgomery	Milwaukee Electric Tools
David G. Peot	Ryobi Motor Products Corp.
Stan Rodrigues	Makita U.S.A.
Manfred Schulz*	Matbowerke GmbH & Co.
Richard Stavenhagen	S-B Power Tools
Y. Yamada*	Hitachi Koki Co.

Invited Guests

Ivan Milkovich	Canadian Standards Association
Ray Callahan	S-B Power Tools
L. Evans Massey	Ryobi Motor Products Corp.
Donald Rosenberg	Makita U.S.A.
Greg Dix	Emerson Tool Company

Observers

David Byrley	Vermont American
Manfred Schmidt	Vermont American
Caroleene Paul	U.S. CPSC
John Vann	General Services Administration
Jerry Leeds	Technical Engineered Products
Tom McElwaine	Ridge Tool Company
Frank Hagan	Hitachi Koki Co.

UL Staff

Gary Schrempp (Chairman)	Research Triangle Park
Michael Belcher	Research Triangle Park
John Crickmar	Research Triangle Park
Paul Wordlaw	Northbrook
Manuel Arce	Santa Clara
Gene Wirth	Camas
Neil Dalmas	Research Triangle Park

*Not in attendance