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**LOG OF MEETING  
DIRECTORATE FOR ENGINEERING SCIENCES**

1999 JUN 23 P 2  
CPSC/OFFICE OF  
THE SECRETARY

**SUBJECT:** Underwriters Laboratories Plastics Flammability Ad-Hoc Committee Meeting

**DATE(S) OF MEETING:** June 16, 1999

**PLACE:** Underwriters Laboratories Office, Research Triangle Park, NC

**LOG ENTRY SOURCE:** Hammad A. Malik, PE *HAM*

**DATE OF ENTRY:** June 23, 1999

**COMMISSION ATTENDEES:**

William H. King, Jr., ESEE  
Hammad A. Malik, PE, ESEE

**NON-COMMISSION ATTENDEES:**

Wayne Morris, Association of Home Appliance Manufacturers.  
Inder Wadehra, IBM  
Steve Watson, DuPont  
Chip Pudims, Bryant  
Aaron Chase, Leviton  
Ric Erdheim, NEMA  
Richard Nute, Hewlett-Packard, San Diego  
Dan Yee, Toro  
Fredric Clarke, Benjamin Clarke  
Gordon Gillerman, Underwriters Laboratories, Washington, DC  
Rich Pescatore, Hewlett Packard (ITI)  
Al Brazauski, Underwriters Laboratories, Santa Clara



Joe Lesniewski, Albermarle  
Paul B. Brown, GE-Plastics  
Doug Wetzig, GEON  
Robert Davidson, Underwriters Laboratories, Melville, NY  
George Fechtmann, Underwriters Laboratories, Melville, NY  
John Stimitz, Underwriters Laboratories, Melville, NY

## **SUMMARY OF MEETING:**

Mr. John Stimitz, UL, started by having all attendees introduce themselves. The meeting minutes for the October 15, 1998 meeting were reviewed.

Mr. Stimitz then provided an update on the proposed revisions to UL 746C that were made in October of 1998. It was indicated that UL received numerous comments and as a result is revamping the structure of the proposal. Mr. Stimitz went over the revamped structure and demonstrated that the contents of the original proposal were not changed. It was shown that the new requirements will take the form of a supplement that will be included in UL 746C rather than being directly incorporated into the existing text. This was done mostly for clarity and ease of use. Mr. Stimitz stated that this new format will be sent out for comment in early August of this year and comments will have a deadline of October with subsequent adoption. It was stated that upon adoption all new products will be tested to the new requirements, however, the standard itself will retain the originally proposed five year effective date.

Mr. Bob Davidson, UL, indicated that there has been no progress in developing a Hazard Based Safety Engineering (HBSE) approach towards the flammability of plastics used in electrical appliances.

Mr. Stimitz then provided an update on UL's comparison of Hot-Wire Ignition Test data with Glow-Wire Ignition Test data for various plastic materials. He indicated that no direct correlation could be found.

Mr. Richard Nute, Hewlett-Packard, provided some general heat transfer information in relation to his formulation of a guidance document to reduce the ignition potential of plastics.

Mr. Davidson went over some work that he had been doing relating to the minimum amount of energy required to ignite plastic.

Mr. John Stimitz, UL, updated the committee on the task force on external flame sources work. Mr. Stimitz indicated that a report was currently being formulated.

Mr. George Fechtmann, UL, then updated the committee on IEC TC89 activities.

Mr. Bill King recapped the information provided by UL on the UL 746C revisions.

Mr. Fechtmann then announced that the next IAG meeting will be at the UL Research Triangle Park location on October 5, 1999. He also stated that there will be no Ad-Hoc Committee Meeting until next year, if needed. The meeting was then adjourned.