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CPSC/OFFICE OF THE SECRETARY

LOG OF MEETING

DIRECTORATE FOR ENGINEERING SCIENCES

SUBJECT: UL STP Meeting on Television and TV Cart Stability
DATE OF MEETING: November 17, 1999 **PLACE:** Hyatt, Arlington VA
LOG ENTRY SOURCE: Troy Whitfield, Mechanical Engineer, CPSC
DATE OF ENTRY: November 22, 1999
ATTENDEES: See attached

SUMMARY OF MEETING:

The meeting was chaired by Mr. Lee Hewitt of Underwriters Laboratories Inc. After introductions, Amy Hill of the Consumer Electronics Association (CEA) discussed the public awareness campaign currently being developed by CEA staff.

There were three objectives outlined for the meeting. The first was to discuss TV cart and stand stability, the main reason for the formation of the UL 1678 Standards Technical Panel (STP). Additional topics included a progress report on the UL Ad Hoc Group for tip stability of televisions, and further considerations for UL 1678.

Mark Granata of UL discussed the proposed addition to UL 1678, 15A. Horizontal Force Stability Test. The discussion shifted to the current UL 10° tilt test requirement for carts and stands. There was some deliberation surrounding the television requirements for stability and sliding. After a lengthy dialogue on the value of the various tests, it was agreed that some type of inherent stability should be expected of the television, the cart or stand, and the combination.

The focus of the conversation returned to the proposed 15A horizontal stability test. The proposed procedure calls for a push force of 13.5 pounds to be applied to the highest possible point on the cart or stand while loaded with an appropriate weight. This same horizontal force is proposed to be used to test television stability. The derivation and engineering issues of the proposed force were discussed. After talking about the injuries, mostly to children 5 years and younger, it was decided that a 50 pound force, representative of a 95th percentile 5 year old, would be used to test the cart or stand in a similar fashion to that described in an ASTM draft proposal. The development of a correlation between the 50 pound weight and a horizontal push was also discussed for cases where the cart or stand does not have a door, drawer, or shelf to support the weight. Additional editorial items associated with the proposal were deliberated.



The direction of the meeting then changed to the discussion of televisions. The need for some type of "simulated cart" was discussed to test the television stability at an elevated level. The concept of a classification system was suggested. A television would be classified according to its weight, center-of-gravity, and base size (footprint) and then the cart or stand could be rated as accepting a certain class(es) of television. This approach is to be shared with the Ad Hoc TV Group for further discussion at the next group meeting.

The meeting concluded with Lee Hewitt confirming that Mark Granata would rewrite the 15A proposal more in line with the current proposed ASTM draft. Additionally, the following items will be done prior to the next STP meeting: (1) UL will work to update the loading requirements of Table 13.1 of UL 1678; (2) a small task group will look at correlating the proposed glass top test surface to other materials used in cart and stand manufacture; and (3) the concept of the TV classification will be brought to the attention of TV working group, hopefully in time for discussion at the next meeting, scheduled for January. The date for the next meeting of the UL 1678 STP will be established after the TV working group meeting results are known.

**UL 1678 STP Meeting
Hyatt, Arlington, Va.
November 17, 1999**

ATTENDEES:

Jean Barbeau - Belbois Ltd., Laval Quebec
Keith Cooley - O'Sullivan Industries Inc., Lamar MO
Jerry Geering - Thornwood Furniture Mfg., Phoenix AZ
Mark Granata - Underwriters Laboratories Inc., Research Triangle
Park NC
Lee Hewitt - Underwriters Laboratories Inc., Northbrook IL
Amy Hill - Consumer Electronics Association, Arlington VA
Doug Johnson - Consumer Electronics Association, Arlington VA
Victor Lee - Matsushita Electric Corp. of America, Secaucus NJ
Jen Levine - Product Safety Letter, Arlington VA
James Lute - Mill's Pride, Waverly OH
Tom Malcho - Bush Industries Inc., Jamestown NY
Lisa Marzetti - Consumer Electronics Association, Arlington VA
Thomas Mock - Consumer Electronics Association, Arlington VA
Wayne Myrick - Sharp Electronics Corp., Mahwah NJ
Khalid Pervaiz - Ameriwood Industries, Tiffin OH
Patricia Sena - Underwriters Laboratories Inc., Melville NY
Andrew Stadnik - Consumer Product Safety Commission, Bethesda MD
Troy Whitfield - Consumer Product Safety Commission, Bethesda MD