

U.S. Consumer Product Safety Commission
LOG OF MEETING

CPSA 6 (b)(1) Cleared
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2001 APR 11 11:45

SUBJECT: Various Consumer Products Involving UL Standards

DATE OF MEETING: April 11, 2001

LOG ENTRY SOURCE: William H. King, Jr., ES *WHK*

DATE OF LOG ENTRY: April 12, 2001

LOCATION: Room 714, East West Towers

- CPSC ATTENDEE(S):**
William H. King, Jr., ES
Hugh McLaurin, ES
Randy Butturini, ESEE
Arthur Lee, ESEE
Doug Lee, ESEE
Andrew Trotta, ESEE
Anna Luo, ESEE
Linda Edwards, ESEE
Dean LaRue, ESEE
Don Switzer, ESEE
Rohit Khanna, ESME
Caroleene Paul, ESME
Ed Krawiec, LS
Richard Stern, CRC
Richard Wright, CRC
Jack Kramer, CRC

- NON-CPSC ATTENDEE(S):**
Jim Beyreis, Underwriters Laboratories Inc. (UL)
- ✓*

Peter Boden, UL
John Drengenberg, UL
Wayne Morris, Assoc. of Home Appliance Mfrs. (AHAM)
Larry Wethje, AHAM
Richard Cripps, AHAM

SUMMARY OF MEETING:

Attached is a copy of the agenda for this meeting. In advance of the meeting, Mr. Peter Boden provided CPSC staff with a UL report on the agenda items and actions taken on behalf of UL (copy attached). CPSC staff concurred with the report. Mr. Boden will provide a new report as a consequence of the actions agreed to by CPSC staff and UL at this April 11, 2001 meeting.

UL – CPSC TECHNICAL MEETING

April 11, 2001, 9:00 am – 3:20 pm

Room 714

U.S. Consumer Product Safety Commission
4330 East West Highway
Bethesda, MD 20814-4408

AGENDA

- 9:00 Introductions (King)
- 9:10 Clothes Dryers (A. Lee)
- 9:30 Rope Lights (A. Lee)
- 9:50 GFCIs (D. Lee)
- 10:10 AFCIs (D. Lee)
- 10:30 Battery-Operated Ride-On Toys (UL/D. Lee)
- 10:50 Incandescent Torchiere Lamps (Luo)
- 11:10 Portable Fans (Luo)
- 11:30 Fixed-In-Place Electric Room Heaters (Butturini)
- 11:50 – 1:10 Lunch Break
- 1:10 Ranges (UL/Trotta)
- 1:30 Toaster-Ovens (Trotta)
- 1:50 Table Saws (Paul)
- 2:10 Carbon Monoxide Detectors (Switzer/King)
- 2:30 Smoke Alarms (UL/A. Lee)
- 2:50 Fire Extinguishers (UL/Khanna)
- 3:10 Review Action Items
- 3:20 Adjourn

Table 1
Action Items Established at
April 19, 2000 UL/CPSC Annual Meeting and Action Item Progress

Agenda Discussion Issue	Designated Staff		Action
	UL	CPSC	
Clothes Dryers	Don Grob, Chuck Williams	Sheela Kadambi	<p style="text-align: center;">UL</p> <ol style="list-style-type: none"> 1. Plan UL/CPSC meeting to discuss engineering safety issues. 2. With Wayne Morris of AHAM, pursue development of informal WG prior to July ANSI Z21 meeting. 3. Attend ANSI Z21 subcommittee meeting in July 2000. 4. Develop plan of action to make dryers "smarter." <p style="text-align: center;">CPSC</p> <ol style="list-style-type: none"> 1. Plan UL/CPSC meeting to discuss engineering safety issues. 2. Attend ANSI Z21 subcommittee meeting. 3. Publicize information on clothes dryer safety.
<p><u>Progress Shown in 7/28/00 Tracking Report</u> – AHAM hosted a meeting with UL and CPSC on July 18, 2000 at their headquarters in Washington, D.C. Meeting attended by UL, CPSC, CSA, and industry. CPSC agrees with UL2158 and 2158A requirements, but feels that with today's technology, clothes dryers can be made "smarter." Action items established at the meeting were: 1) AHAM to host second meeting in Nov. 2000, 2) UL, AHAM, and CPSC to jointly write an article for the Code Authority, 3) AHAM will propose to CPSC changes in building code to eliminate plastic ducting, 4) AHAM to develop methods to alert consumers of spontaneous combustion, installation practices, ventilation, and maintenance matters, and 5) AHAM to involve detergent manufacturers in solutions to reduce risk of fire. <u>Continued Progress Shown in 11/27/00 Tracking Report</u> – UL developed a proposal for additional research into the causes of clothes dryer fires. This proposal was sent to CPSC in August for their review and comment. CPSC responded on 9/18/00 to the proposal. UL to attend a second AHAM hosted meeting in November in Washington, D.C. The agenda will include discussion of the UL proposal. UL is pursuing formation of UL2157/UL2158 STP.</p>			

Table 1: continued Clothes Dryers

Continued Progress Shown in 4/2/01 Tracking Report – UL and AHAM attended 11/9/00 meeting at CPSC. CPSC believes that component overheating could be a factor in the cause of dryer ignition. At the meeting, UL presented its research proposal. As a result of this meeting, manufacturers will collect incident data and report it to AHAM. The manufacturers have started the incident data collection phase of the work. CPSC and AHAM have reviewed the UL proposal. UL is working internally to determine feasibility of long-term endurance testing of components under maximum temperature environmental conditions. UL teamed with AHAM and CPSC on writing article titled, "Clean Those Lint Traps," that appeared in Vol. 8 No. 2 of UL's *Code Authority*.

Outline of Investigation for Metal Venting Systems for Household Clothes Dryers, – Sub. 2158B (UL2399) – A UL March 15, 1999 Bulletin proposed the first issue of Sub. 2158B. The scope covers venting systems constructed of rigid metal, for venting electric and gas-burning clothes dryers as defined by ANSI Z21.5.1 and the National Fuel Gas Code, NFPA 54. All comments on the proposal were reviewed by UL and the outline was published on October, 16, 2000 as Subject 2158B. On March 30, 2001, Subject 2158B was published as UL2399.

Outline of Investigation for Laundry Equipment Accessories, UL2365 - A UL Nov. 28, 2000 Bulletin proposed the first issue of UL2365. The bulletin was sent to C. Church and E. Edwards at CPSC. The requirements cover laundry equipment accessories consisting of fabric care products intended for use with dry-clean fabrics, hand washables, and other special care garments in accordance with the manufacturer's instructions for the product. The products are intended for use only in household electric and gas-heated dryers. Performance criteria include flash point test, ignition temperature test, spontaneous heating test, burning characteristic test, normal and abnormal use test. Comments were due by Feb. 20, 2001. UL has reviewed all comments, and it is planned that the Outline of Investigation will be published in April 2001.

Table 1: continued

Automatic Toasters	Robert Dellavalle	Andrew Trotta	<p>1. Issue Industry Bulletin for automatic toasters with 18 month effective date.</p>	None established.
<p><u>Progress Shown in 7/28/00 Tracking Report</u> – UL issued a 5-1-00 Adoption Bulletin establishing a 18 Month effective date (11-30-01) for the UL 1026 requirements, requiring that the heating elements of an Automatic toaster shall de-energize independent of the movement of the simulated toast load. A 6-5-00 Important Letter to initiate file reviews has been released.</p> <p><u>Continued Progress Shown in 1/27/00 Tracking Report</u> – Review proceeding on time.</p> <p><u>Continued Progress Shown in 4/2/01 Tracking Report</u> – All issues with automatic toasters are on track. No manufacturer has voiced concerns over the new, “de-energized element independent of the movement of the food load basket with simulated bread load” requirement. The UL file review is on track and UL’s Melville office has received numerous submittals.</p>				
<p>Toaster Ovens</p> <p><u>Progress Shown in 7/28/00 Tracking Report</u> – MEL Research issued a 7-11-00 internal status report on Phase 1. It included test methods, samples tested, results and data. The results so far, are being Discussed with UL Engineering. Bob Dellavalle reported the findings to Andrew Trotta (CPSC) in his late July email. The next step in this work is to review the test results and determine their validity.</p> <p><u>Continued Progress Shown in 11/27/00 Tracking Report</u> – Work continues on analyzing the test results. Based upon CPSC’s request, newspaper as a fire indicator is included in the study. Additional work is Planned to study the characteristics of different types of newspaper for use as a fire indicator.</p> <p><u>Continued Progress Shown in 4/2/01 Tracking Report</u> – UL has been in constant contact with A. Trotta (CPSC). UL received CPSC incident reports in late summer, and UL’s review of the reports will be completed by the end of March 2001. UL will discuss the results of the review with CPSC by phone, and if deemed necessary, UL will meet with AHAM and CPSC to discuss findings of CPSC incident reports, and to plan further action.</p>	Robert Dellavalle	Andrew Trotta	<p>1. Update CPSC on fire indicator research.</p>	<p>1. By July 31, 2000, send to UL and AHAM further in depth incident data.</p>

Table 1 continued:

<p>Deep Fat Fryers</p>	<p>Robert Dellavalle</p>	<p>Andrew Trotta</p>	<p>1. Determine effective date. J. Beyreis to meet with UL senior management to decide on effective date by 4-28-00.</p>	<p>None established.</p>
<p>Progress Shown in 7/28/00 Tracking Report – UL issued a 5-1-00 UL 1083 Adoption Bulletin establishing a one-year effective date (5-30-01) for the Detachable Power-Supply Cord Separation Test including the coefficient of static friction for the test surface. A 5-26-00 Important Letter to initiate file reviews has been released. UL attended a 6-1-00 meeting that took place at AHAM headquarters in Washington, D.C. Technical issues were discussed.</p> <p><u>Continued Progress Shown in 11/27/00 Tracking Report</u> – File review has been initiated and products are being submitted.</p> <p><u>Continued Progress Shown in 4/2/01 Tracking Report</u> – Dec. 20, 2000 UL Bulletin sent to UL 1083 IAC requesting comment on, “Additional Angles Between Power-Supply Cord and the Appliance in the Detachable Power-Supply Cord Separation Test for Deep Fat Fryers.” Comments due by Jan. 31, 2001.</p> <p>Feb. 21, 2001 UL Bulletin announced the IAC meeting for March 20, 2001 at ANSI in Wash. D.C.</p> <p>Purpose of meeting is to discuss deep fat fryers. March 9, 2001 UL Bulletin mentioned the Sub. UL1083 letter to the IAC dated Feb. 21, and included the summary of topics for discussion at the March 20, 2001 IAC meeting. The effective date of 5-30-01 remains unchanged.</p>				
<p>AFCI</p>	<p>Paul Notarian, Dave Dini</p>	<p>Doug Lee</p>	<p>1. Notify CPSC as product is introduced into marketplace.</p>	<p>1. When need arises, consult with UL staff on technical issues.</p>
<p><u>Progress Shown in 7/28/00 Tracking Report</u> – May 26, 2000 email from D. Dini to B. King updated CPSC on the new AFCIs entering the marketplace, that is, the P&S AFCI.</p> <p><u>Continued Progress Shown in 11/27/00 Tracking Report</u> – D. Dini and R. Berman (UL) met with B. King at CPSC headquarters in Washington, D.C. on October 17 to provide update on UL activities related to AFCIs and GFCIs.</p> <p><u>Continued Progress Shown in 4/2/01 Tracking Report</u> – Nov. 29, 2000 Sub. 1699 Bulletin was sent to IAC announcing willingness to accept submittals for outlet branch AFCIs. The Bulletin included product AFCI UL category guide card information. UL 1699 STP is tentatively set for June 7 in Northbrook.</p>				

Table 1: continued

Portable Electric Lamps	Tom Wollan	Anna Luo	1. Plan UL/CPSC meeting to discuss engineering safety issues and LTMA.	1. Plan UL/CPSC meeting to discuss engineering safety issues. 2. Respond to Tom Wollan's (UL) Feb. 2, 2000 letter. 3. Contact UL for further information on the LTMA.
<p><u>Progress Shown in 7/28/00 Tracking Report</u> – On 6-21-00, J. Drengenberg followed up with B. King regarding scheduling technical meetings. B. King suggested that it was too early to hold meetings and that they should be held at the earliest in late August or late summer. J. Drengenberg will follow up with B. King in late July to schedule meetings with CPSC. There have been numerous communications with CPSC on this issue since the 4-19-00 UL/CPSC Annual Meeting.</p> <p><u>Continued Progress Shown in 11/27/00 Tracking Report</u> – UL reviewed a CPSC video tape of a test conducted on a reported 150W incandescent lamp where ignition occurred. UL conducted experiments with various 150W incandescent lamps. Prior to the experiments, the lamp temperature profiles were recorded using the LTMA. The results of the UL work will be discussed at a UL/CPSC technical meeting that is scheduled for November 27 of this year.</p> <p><u>Continued Progress Shown in 4/2/01 Tracking Report</u> – UL staff met at CPSC on Nov. 27, 2000 to discuss torchiere-style fixtures having incandescent lamps. The UL proposal was discussed. CPSC indicated that torchiere style fixtures with incandescent lamps should be subjected to similar tests for torchiere fixtures having halogen lamps. In a Feb. 27, 2001 letter to UL, CPSC reiterated their position that they voiced at the Nov. 27, 2000 meeting. Further discussions in 2001 are anticipated with CPSC on this matter.</p>				

Table 1 continued:

<p>Battery Operated Ride-On Toys</p>	<p>Matt Marotto Roland Riegel</p>	<p>Doug Lee</p>	<ol style="list-style-type: none"> 1. G. Gillerman will provide CPSC with information on F-15 committee, and its standard. 2. Continue representation on F-15 committee. 3. Review F15 draft standard to determine if other requirements should be added. 	<p>None established.</p>
<p><u>Progress Shown in 7/28/00 Tracking Report</u> – UL continues its representation on the F-15 committee. D. Lee (CPSC) is also a member of this committee. CPSC is, therefore, aware of issues with F-15. The toy manufacturers and CPSC have taken lead to develop ASTM 963. UL's role is to provide technical assistance. R. Riegel attended the 7-18-00 F-15 committee meeting in NY at TMA headquarters. UL proposed an optional requirement for UL1310 having units marked "BFP" for Backfeed Protection. The UL guidecard for Class 2 Power Units will be revised to indicate the appropriate BFP marking. <u>Continued Progress Shown in 11/27/00 Tracking Report</u> – UL will issue a proposal before 12-31-00 to establish requirements in UL 1310 for battery chargers for use with ride-on toys. The proposal will include optional backfeed protection requirements. <u>Continued Progress Shown in 4/2/01 Tracking Report</u> – Sub. 1310 Bulletin was released on March 21, 2001. The bulletin addresses misapplication with battery operated ride-on toys. Proposed requirements address backfeed protection (BFP) as an option for those manufacturers who wish to mark or identify their products as incorporating BFP. The UL product guide card will be modified to indicate that Class 2 Power Units marked BFP incorporate integral BFP. An Abnormal Test for BFP performance requirement has been proposed for UL1310, and is included in the Bulletin released on March 21. Also included are proposed marking requirements. Comments are due by June 13, 2001.</p>				
<p>Portable Electric Heaters</p>	<p>Robert Wozniak</p>	<p>Mai Ngo</p>	<p>None established.</p>	<ol style="list-style-type: none"> 1. Send letter to Robert Wozniak (UL) showing incidence data and statistical inferences. 2. Share information with Robert Wozniak (UL) on field survey samples tested by CPSC.
<p><u>Progress</u> – No action item established.</p>				

Table 1: continued

<p>Fixed Room Electric Heaters</p>	<p>Robert Wozniak</p>	<p>Randy Butturini</p>	<p>1. Determine where CPSC can acquire cattle hair felt for use as a fire indicator (UL2021).</p>	<p>1. Continue 2-year project to compile and review incident data, and conduct forensic analysis. 2. Will initiate call to UL to discuss said project results, and advise on critical issues.</p>
<p>Progress Shown in <u>7/28/00 Tracking Report</u> – In early June 2000, P. Boden conversed with R. Butturini regarding this matter. CPSC has been in contact with UL Engineering regarding this type of fire indicator. No further action on UL's part is necessary. Continued Progress Shown in <u>11/27/00 Tracking Report</u> – Action completed. No further action required. Continued Progress Shown in <u>4/2/01 Tracking Report</u> – New issue. In a March 12, 2001 CPSC letter to UL, CPSC requested that the Standard for Moveable and Wall- or Ceiling-Hung Electric Room Heaters, UL1278 be revised to include maximum heat flux measurements or more sensitive fire indicator tests. Their request is based upon CPSC 1997 incident data and CPSC's laboratory work using experimental fire indicators. Discussions on this matter will take place in 2001.</p>				
<p>Electric Fans Portable</p>	<p>Debra Conner</p>	<p>Anna Luo</p>	<p>None established.</p>	<p>1. Will report on CPSC ongoing project to evaluate fans by fall 2000 or no later than by the 2001 UL/CPSC Annual Meeting.</p>
<p>Progress – No action item established.</p>				

Table 1 continued:

Plastic Appliance Materials	John Stimitz	Hammad Malik	1. Send proposal for alternate path to CPSC.	1. Respond to alternate path proposal.
<p>Progress Shown in 7/28/00 Tracking Report -- 746C Proposal sent to CPSC on 4-20-00. Standards Dept. is preparing Adoption Bulletin with effective date of 6-1-04. CPSC agrees with the proposal. CPSC did, however, comment on the definitions for unattended equipment, glow-wire tests, and ignition during GWEPT. H. Malik (CPSC) visited MEL on 6-5-00 and was trained on conducting the GWT. CPSC is interested in purchasing UL's GWT apparatus.</p> <p>Continued Progress Shown in 11/27/00 Tracking Report -- Meeting scheduled at UL (Northbrook) for December 11 to discuss the 8-15-00 UL 746C Alternate Path Proposal. Invitation to the meeting has been extended to CPSC and AHAM.</p> <p>Continued Progress Shown in 4/2/01 Tracking Report -- Dec. 11, 2000 Ad Hoc meeting was rescheduled and held on Jan. 16, 2001 at UL Melville office. H. Malik (CPSC) was in attendance. Discussions involved 746C guidance document, enclosure flammability requirements, unattended appliances, and component devices in alternate paths. A revised "alternate path" and updated draft of proposal were sent to the ad hoc participants including CPSC. CPSC indicated that they will provide comments by mid-March 2001. When Ad Hoc meeting clarification issues have been addressed, UL intends to adopt the "alternate path" requirements into UL 746C without further proposal. Based on comments received, the clarifications to the alternate path proposal have been agreed upon by all parties involved including CPSC, AHAM, and plastic and component manufacturers. UL intends to adopt the alternate path requirements into UL746C without further proposal.</p> <p>In late winter 2001, "The Plastics Recognized Component Directory" became available on-line. This is an innovative and unique service that UL is now providing. The directory can be found at www.ul.com/plastics/.</p>				

Table 1 continued:

GFCI	Paul Noterian, Dave Dini	Bill King	1. Joint action, share information on GFCIs when appropriate.	1. Joint action, share information on GFCIs when appropriate.
<p>Progress Shown in <u>7/28/00 Tracking Report</u> – A 5-24-00 email from P. Boden to B. King (CPSC) informed CPSC of new innovations entering the marketplace – Levitron's GFCI with "lockout" action. A new Guide Card Information Page (KCYC) was developed. Work is ongoing to create three new Classes of GFCIs that provide protection up to 600V.</p> <p><u>Continued Progress Shown in 11/27/00 Tracking Report</u> – NEMA continues with its GFCI national survey, and is sending units to UL for Analysis. To date, over 750 field installed GFCIs in 300 residences have been tested by field surveyors. UL met with CPSC at their headquarters on October 17 to keep CPSC up-to-date on UL activities related to GFCIs. Discussions involved 1) NEMA field survey, 2) GFCI STP, 3) CPSC code Proposal, 4) UL GFCI public service announcement, and 5) CPSC new idea on GFCI development.</p> <p><u>Continued Progress Shown in 4/2/01 Tracking Report</u> – UL attended 11-1-00 NEMA GFCI Survey Task Group meeting and proposed a Spring 2001 STP. The NEMA GFCI Survey has been completed with over 2500 GFCIs tested in the field. UL Research Dept. compiled all survey results and sent results to NEMA. NEMA completed its report of the survey. The report titled, "GFCI Field Test Survey Report" was issued in January 2001 to UL, CPSC, et al. and contains no conclusions or recommendations. The results show that 2680 GFCIs (153 CB GFCIs and 2527 receptacle-type GFCIs) were field tested in 1090 homes in 10 different regions of the country. Of those surveyed, 14% of CBs and 8% of receptacle-type GFCIs were found non-operational. Transient voltage surge exposures seem to be the major cause of damage to non-operational units. UL released a Jan. 26, 2001 Bulletin announcing a STP for March 14, 2001. The purpose of the STP is to discuss the NEMA Survey results. D. Lee (CPSC) attended the March 14 STP.</p>				

Table 1: continued

CO Detectors	Paul Patty	Don Switzer	1. Joint action, share field sampling survey data. 2. Inform CPSC status of Ad Hoc committee. 3. Develop new round of talks for Ad Hoc to discuss issues that have lost momentum.	1. Joint action, share field sampling survey data.
<p><u>Progress Shown in 7/28/00 Tracking Report</u> – A July 7, 2000 letter from P. Patty to D. Switzer (CPSC) reported on the most recent field survey findings. The report included a survey summary, comment key sheet, and periodic test data. Action Items 2 and 3 need to be addressed.</p> <p><u>Continued Progress Shown in 11/27/00 Tracking Report</u> – UL updated D. Switzer on ANSI approval of UL2034, UL activities with CSA Equivalent document, and UL progress with formation of a new Ad Hoc group. UL formed an Ad Hoc And this group met on Oct. 25. Next Ad Hoc meeting is scheduled for Spring 2001.</p> <p><u>Continued Progress Shown in 4/2/01 Tracking Report</u> – D. Switzer (CPSC) attended the Oct. 25, 2000 UL2034 Ad Hoc meeting held at CPSC. UL is developing 1) proposal for response to mixtures of CO and combustion products testing, and 2) a proposal for sensor testing to be included in UL 2034. Ad Hoc members to provide UL with 1) accelerated lifetime exposure to gasses and vapors test data for CO sensors, and 2) proposal to address the accuracy of CO alarms quantity displays. UL is awaiting the information and data from the Ad Hoc. The next UL2034 Ad Hoc meeting is planned for late spring or early summer, 2001.</p>				
<p>Fire Extinguishers</p>	Emil Misicho	Roy Deppa, Rikki Khanna	<ol style="list-style-type: none"> 1. Plan UL/CPSC meeting to discuss engineering safety issues. 2. Keep CPSC informed as rangetop extinguisher products reach marketplace. 	<ol style="list-style-type: none"> 1. Plan UL/CPSC meeting to discuss engineering safety issues.
<p><u>Progress Shown in 7/28/00 Tracking Report</u> – On 6-21-00, J. Drengenberg followed up with B. King regarding scheduling technical meetings. B. King suggested that it was too early to hold meetings and that they should be held at the earliest in late August or late summer. J. Drengenberg will follow up with B. King in late July to schedule meetings with CPSC.</p> <p><u>Continued Progress Shown in 11/27/00 Tracking Report</u> – At this time, there are no pending UL investigations for fire extinguishers for use on residential kitchen cooking fires. No manufacturer has submitted a product for this intended use. UL will keep CPSC informed of any extinguishers for the rangetop that are submitted to UL.</p> <p><u>Continued Progress Shown in 4/2/01 Tracking Report</u> – A manufacturer has submitted a 700ml wet chemical extinguisher. UL has evaluated the product under UL299, UL8, B-1 rating per UL711, and special residential cooking fires based upon UL300. Direction from the manufacturer to proceed with Listing is pending.</p>				

Table 1 continued:

<p>Carts and Stands</p>	<p>Mark Granata</p>	<p>Roy Deppa, Troy Whitfield</p>	<p>1. Interface with CPSC (Troy Whitfield) on direction of Push Test. 2. Keep CPSC informed about Horizontal Force Stability Test development.</p>	<p>None established.</p>
<p><u>Progress Shown in 7/28/00 Tracking Report</u> – Meeting held in RTP on 6-6-00 with CPSC and industry. Discussed were UL1678 requirements. A task group was formed to address 1) load jig test, 2) stability tests, 3) markings. The standard is to be rebalotted for ANSI. STP is planned for early fall in RTP. <u>Continued Progress Shown in 11/27/00 Tracking Report</u> – STP held on Oct. 25-26, 2000 at UL RTP Office. T. Whitfield (CPSC) was in attendance. Four working groups presented their findings to the STP. UL will send the proposal with ballot to STP membership by the end of 2000. <u>Continued Progress Shown in 4/2/01 Tracking Report</u> – Dec. 8, 2000 UL Bulletin was issued. It reported on meeting discussions held during the Oct. 25-26, 2000 STP. Issues discussed included 1) general requirements, 2) simulated load and test fixture, 3) loading and stability, 4) markings, and 5) force stability test. Comments on the proposed revisions to UL 1678 were due Feb. 8, 2000. All comments and ballots have been received and are now being reviewed by UL. Numerous negative votes were received on the Force Stability Test. UL is now drafting replies to the negative comments. On March 14, CPSC requested a teleconference with UL and chief STP members to discuss the vote on the present ballot concerning the Force Stability Test. It is planned that the teleconference will be held in late March 2001. UL held teleconference with CPSC on March 29. As a result of the teleconference, CPSC will work with industry to further refine the Force Stability Test.</p>				
<p>Table Saws</p>	<p>Gary Schremmp</p>	<p>Roy Deppa, Caroleene Paul</p>	<p>None established.</p>	<p>1. Reply to 4-12-00 UL letter sent to C. Paul regarding Proposed changes to UL987.</p>
<p><u>Progress Shown in 7/28/00 Tracking Report</u> – No action items established. Work, however, has progressed on this issue and includes many communications with CPSC including a meeting held on 6-15-00 at CPSC with UL and the PTI. Issues discussed at the meeting included a PTI safety video, harmonization with EN1870-1, a safety forum, and push sticks. <u>Continued Progress Shown in 11/27/00 Tracking Report</u> – UL will provide review assistance of the PTI safety video when it is made available. The 2001 IAC meeting agenda will include discussion of the EN requirements. <u>Continued Progress Shown in 4/2/01 Tracking Report</u> – UL has been in constant contact with PTI and CPSC regarding the PTI Table Saw Safety Video. UL has reviewed the PTI video script. UL comments were sent to PTI in early 2001. CPSC also sent comments to PTI. In early March 2001, UL teleconferenced with PTI (S. Young) and CPSC (C. Paul) to discuss the video and outstanding concerns. Further teleconferences are planned in 2001. In 2001, steps are being taken to adopt IEC requirements as Portable Power Tools, UL 745 as a binational standard. STP will be planned for early 2002, should the UL745 binational standard be adopted in 2001.</p>				

APPENDIX A

The following three issues, Rangetop and Cooking Fires, Flexible Lighting Products (Rope Lights), and Smoke Alarms were not on the April 19, 2000 UL/CPSC Annual Meeting Agenda. Hence, there were no action items developed on these issues. These three issues are included as an addendum to this Tracking Report since they will be addressed at the April 11, 2001 UL/CPSC Annual Meeting.

1. Rangetop and Cooking Fires

Progress Shown in 7/28/00 Tracking Report – STP for Electric Ranges (UL858) was held on 6-27-00 and was attended by CPSC, AHAM, manufacturers, and consumer experts. Andrew Trotta and Ron Medford of the CPSC were in attendance. The chief issue for discussion involved unattended rangetop cooking fires. CPSC believes that “smart” rangetops can be designed to mitigate combustion risk during rangetop cooking, especially when cooking with oil. Research Department (NBK) assisted UL Engineering in developing data on the effects of pan size, oil volume, element wattage, etc. in causing rangetop fires. The results show that at least for the oil used, combustion did not occur below 380 Celsius. These results were presented at the STP. A STP subcommittee was formed to further examine statistical data on occurrence of rangetop fires.

Continued Progress Shown in 11/27/00 Tracking Report – A survey was sent to STP members in mid-August for opinions on direction of STP. Only 7 percent of the inquires returned supported revisions to the standard based upon CPSC research. The option proposed to limit food temperatures below the point of ignition. Of returned inquires, 86 percent support the option that addresses consumer information and installation codes. The next STP is scheduled for December 15, 2000 and CPSC has indicated to UL that they will be in attendance.

Continued Progress Shown in 4/2/01 Tracking Report – At the Dec. 15, 2000 STP it was anticipated that A.D. Little (contracted by CPSC and AHAM) would present their findings on the literature search and feasibility of technology to predetermine rangetop fires. A.D. Little was not prepared to present their findings at the Dec. 15 STP. UL's Jan. 26, 2001 Bulletin announced a March 22, 2001 meeting of the STP for UL858. The chief purpose of the meeting was for A.D. Little to present their findings and their final report. On March 13, it was confirmed that A.D. Little will not be prepared to present information and their final report to the March 22 STP. Based upon this, the March 22 STP has been delayed and is now rescheduled for May, 15, 2001. An official announcement of the meeting will be release by UL once A.D. Little has confirmed that they are prepared to present their final report. The results of this final report may be used to develop new requirements.

2. Flexible Lighting Products, UL 2388

Recent Progress – An October 20, 2000 Bulletin proposed the First Edition of the Standard for Flexible Lighting Products, UL2388. This Standard was developed at the UL RTP Office. Dave Belt serves as the UL Product Category Primary Designated Engineer (PDE).

Based on comments received on the proposed First Edition, an Ad Hoc meeting was held in RTP on Feb. 21, 2001. Auther Lee (CPSC) was in attendance. The meeting report was issued on March 21. As a result of the Ad Hoc, further research is required before a subsequent bulletin proposal will be issued. UL expects to publish a re-proposed bulletin in late spring or early summer 2001. A 6-week comment period is planned for the re-proposal bulletin, and the Standard could possibly be published in late 2001 with a 12-month effective date. A STP will not be planned until after the Standard is published.

The scope of UL2388 covers portable flexible lighting products with a maximum input voltage rating of 120V. These products are provided with a power supply cord with a fused attachment plug and are intended for use as general under-cabinet or stairway lighting, or other similar purposes.

The requirements cover lighting products incorporating non-replaceable series and series/parallel connected lamps enclosed within a flexible polymeric tube or extrusion.

3. Single and Multiple Smoke Alarms, UL217

Recent Progress – UL attended a February 1, 2001 Smoke Alarm Research Project Steering Committee meeting held at CPSC. R. Bukowski (NIST) presented the first quarter project progress. In addition, NIST described the status of acquiring the necessary equipment and facilities to conduct the study. NIST indicated that the test protocols have not been completely developed. The initial smoke/fire tests are scheduled for April/May, 2001. Complete testing is planned for mid-summer 2001 at a location yet to be determined. CPSC's summary of the February 1 meeting stated in part, "Test will begin in the manufactured home so that instrumentation and testing procedures can be refined before smoke alarms are tested in field homes. John Hall stressed the need for an analysis plan to be developed prior to the testing. This will include making choices of scenarios, test conditions, and contents to be used for the evaluations. Expected concluding statements to be drawn from the test data should be planned in advance (e.g. x time is available for escape for scenario A with sensor/sensor combination 4, given specific tenability criteria and specific location of the victim). Mr. Bukowski mentioned that similar goals and testing/measurement needs exist between the Smoke Alarm Project and the Study of Sublethal Effects of Fire Smoke."... "The steering committee members for the Smoke Alarm Project agreed that it could be in the best interest of the Smoke Alarm Project to share resources between both projects."

It is planned that the Smoke Alarm Steering Committee will meet on April 18, 2001.

In other smoke alarm matters, UL's September 2, 1999 Bulletin proposed revision of the Electric Shock Current Test. The original effective date of 18 months after publication has remained unchanged. The proposed revision involved the use of the articulated probe either during normal operation or during operator servicing. If 42.4 volts peak is exceeded at either earth ground or any other exposed accessible part, then the part shall comply with requirements of 69A2 and 69A.4 of the Standard.

Trotta, Andrew M.

From: Trotta, Andrew M.
Sent: Thursday, April 05, 2001 4:58 PM
To: Stern, Richard L.
Cc: Whitfield, Troy W.
Subject: Spa Heater

Richard,

I really don't think there's enough information here to make a judgment regarding the suitability of the connection production modifications. The connection consists of four steel pins and a tinned stranded copper wire held together with a copper or brass barrel that is crimped. There are no listing or recognition marks on the crimp connector. It isn't readily apparent what the problems of the connection are (dissimilar materials, corrosion, inadequate pressure on the crimp, etc), making it difficult to judge if adding some solder after the crimp is made would lessen the likelihood that a high resistance connection would develop. As a minimum, test data on the unsoldered connection (any of SEL's reports), test data demonstrating that the new connector is superior (for in-use conditions - rated current, at high ambient temperature and humidity) and the flammability rating of the end caps would be useful.

Do you want me to write the report without this information or do you want me to wait?

Andrew