LOG OF MEETING

SUBJECT: Various Consumer Products Involving UL Standards

DATE: April 10, 2002 **PLACE:** Room 714
East West Towers

DATE OF LOG ENTRY: May 8, 2002

SOURCE OF LOG ENTRY: Andrew Trotta, ESEE

CPSC PARTICIPANTS:

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Margaret Neily, ESFC
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Dean LaRue, ESEE
Arthur Lee, ESEE
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NON-CPSC PARTICIPANTS:

Heidi Abegg, Webster, Chaimberlain & Bean
Wayne Morris, Association of Home Appliance Manufacturers (AHAM)
Gary Thibeault, AHAM
Douglas Troutman, National Electrical Manufacturers Association
Peter Boden, Underwriters Laboratories (UL)
James Beyreis, UL
Robert Pollock, UL
Gordon Gillerman, UL
Barbara Guthrie, UL
John Drengenberg, UL
And others

SUMMARY:

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 the April 10, 2002 meeting.

CPSA 6 (b)(1) Cleared
5-10-02
No Mfrs/Prvtlbls
Products Identified

UL – CPSC TECHNICAL MEETING AGENDA

April 10, 2002
9:00 a.m. – 4:30 p.m.

U.S. Consumer Product Safety Commission
4330 East West Highway
Room 714
Bethesda, MD 20814-4408

9:00	Introduction		
9:10	Clothes Dryers	A. Lee	
9:30	Smoke Alarms	A. Lee	
9:50	Toasters	Trotta	UL agenda item
10:10	Toaster Ovens	Trotta	
10:30	Ranges/Cooktops	Trotta	
10:50	Portable Fans	Luo	
11:10	Portable Lamps	Luo	
11:30	Hair Dryers	Kadambi	
11:50 – 1:10	Lunch Break		
1:10	Fixed Electric Heaters	Butturini	
1:30	Sensors	Butturini	
1:50	Fire Indicators	LaRue	
2:10	Portable Electric Heaters	LaRue	
2:30	GFCIs	D. Lee	
2:50	AFCIs	D. Lee	
3:10	Door Operators	Murphy	
3:30	Table Saws	Paul	
3:50	Standard Tech Panels	McLaurin	UL agenda item
4:10 – 4:30	Review Action Items and Adjourn		

March 22, 2002 Tracking Report
on
2000 and 2001 UL/CPSC Annual Meeting Action Items

As a result of the UL / CPSC Annual Meetings, UL Research & Development issues Tracking Reports to select UL and CPSC staff on a periodic basis. The purpose of these reports is to show and track the chief progress that has been made on action items established at the UL / CPSC Annual Meetings. The report herein is the third and final report issued following the April 11, 2001 meeting that was held at CPSC headquarters in Bethesda, MD. During the meeting, 14 agenda topics were discussed. Following the discussion of each agenda topic, action items were agreed upon by UL and CPSC. Following the April 11, 2001 meeting, Tracking Reports were issued on August 15 and December 21, 2001.

This report also includes continuation and updated information on progress made regarding the action items established at the 2000 meeting. Following the 2000 meeting, Tracking Reports were issued on:

July 28, 2000
November 27, 2000
April 2, 2001.

Table 1 shows the action items, and UL progress made on action items to date.

The subject of hair dryers (Personal Grooming Appliances, UL859) was not discussed at the April 11, 2001 meeting. The subject has been addressed by communications between UL and CPSC subsequent to the April 11 meeting and is, therefore, included in this report as Appendix A.

For questions regarding this or previous reports, please contact Peter Boden in R&D at 847-272-8800 ext. 42011.

Table 1
Action Items Established at
2000 and 2001 UL/CPSC Annual Meeting and Action Item Progress

Agenda Discussion Issue	Designated Staff		Action	
	UL	CPSC	UL	CPSC
Electric Clothes Dryers, UL2158	Ray Burg, Chuck Williams	Arthur Lee	2000 Actions 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." 2001 Actions 1. Attend AHAM May 14 meeting. 2. Identify possible solutions to mitigate dryer fires. 3. Plan STP for mid-fall 2001, and include gas dryers with STP. 4. Review information provided by AHAM on their activities geared toward mitigation dryer fires. 5. UL to participate on task group formed by AHAM that addresses possible solutions to mitigate dryer fires.	2000Actions 1. Plan UL/CPSC meeting to discuss engineering safety issues. 2. Attend ANSI Z21 subcommittee meeting. Publicize information on clothes dryer safety. 2001 Actions 1. Attend applicable meetings, including STP. 2. Review information provided by AHAM on their activities geared toward mitigation dryer fires. 3. CPSC to participate on task group formed by AHAM that addresses possible solutions to mitigate dryer fires.
Progress Shown in 7/28/00 Tracking Report – 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. Continued Progress Shown in 11/27/00 Tracking Report – 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.				

Ta' continued: Electric Clothes Dryers

Co d Progress Shown in 4/2/01 Tracking Report – UL and AHAM a ued 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 titiled, "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.

Continued Progress Shown in 8/15/01 Tracking Report – On May 14, 2001 UL hosted a meeting at Northbrook called by AHAM. CPSC, UL, AHAM, and manufacturers were in attendance. Discussions involved the state of progress in evaluating and addressing dryer fires. UL presented its research proposal. At the meeting, UL reviewed information provided by AHAM on their activities geared toward addressing dryer fires. UL has identified ways to address dryer fires and has provided this information to the dryer manufacturers and to CPSC. UL2158 STP has been formed, and on June 1, 2001 UL released canvass ballot for UL2158 ANSI approval. Ballots due by August 31, 2001.

Progress Shown in 12/21/01 Tracking Report – As agreed at the May 14, 2001 meeting, UL will wait until reports from AHAM and CPSC have been received and analyzed by UL before calling a meeting of the STP. CPSC indicated that they were conducting studies that should be completed by 2001 year-end on lint combustibility, heat output of a dryer, and airflow patterns within dryers. AHAM indicated that they are developing a report on incident data that should be completed by Jan. 1, 2002. UL will review and revise its research proposal in light of the anticipated AHAM and CPSC reports.

Progress Shown in 3/22/02 Tracking Report – On Feb. 20, 2002, UL attended a meeting at AHAM to discuss the status of the AHAM Report. AHAM is anticipating completing their report by mid-April 2002. As of April 1, 2002, UL has not received reports from either CPSC or AHAM. UL will wait until reports from AHAM and CPSC have been received and analyzed by UL before calling a meeting of the STP. In a Jan. 17, 2002 CPSC (A. Lee) letter to UL, CPSC requested revision to UL2158 duct installation instructions. UL will respond to this request.

Ta' continued:

Fle. Lighting Products, UL2388 (Rope Lights)	Dave Belt	Arthur Lee	2001 Actions 1. Review marking requirements for flexible lighting products and advise CPSC of UL intended action.	2001 Actions 1. Comment on March 21, 2001 UL Bulletin. 2. Convey to UL concerns of markings and images on product packaging.
Progress Shown in 4/02/01 Tracking Report –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. Progress Shown in 8/15/01 Tracking Report – A. Lee (CPSC) has been included on mailings of UL 2388 Bulletins and meeting reports. UL has addressed marking requirements in the draft of UL2388. UL is conducting review of comments including those by CPSC on UL2388 draft. It is planned that a re-bulletin of the revised draft standard will be issued in late summer 2001 that also addresses any comments received by CPSC et al. on marking requirements. A 6-8 week comment period is planned. A STP has not been formed. It is anticipated that once the standard has been published, the standard may be included in an umbrella STP with UL588. Progress Shown in 12/21/01 Tracking Report – 2001 action item addressed. UL Oct. 31, 2001 Bulletin issued for comment on Proposed First Edition of the Standard for Flexible Lighting Products, UL2388. Comments due by Jan. 2, 2002. CPSC suggested marking requirements were incorporated into the draft standard. Progress Shown in 3/22/02 Tracking Report – 2001 action item addressed. Continued work: It is planned that there will not be reproposal of requirements (outlined in UL Oct. 31, 2001 Bulletin), and that the First Ed. of UL2388 will be published in mid to late summer 2002 with a one year Effective Date.				

Ta continued:

Ele Household Cooking and Food Appliances, UL1026 (Automatic Toasters)	Robert Dellavalle	Andrew Trotta	2000 Actions 1. Issue Industry Bulletin for automatic toasters with 18 month effective date. 2001 Actions None established.	2000 Actions None established. 2001 Actions None established.
Progress Shown in 7/28/00 Tracking Report – UL issued a 5-1-00 Adoption Bulletin establishing a 18 Month effective date (11-30-01) for the UL1026 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. Continued Progress Shown in 11/27/00 Tracking Report – Review proceeding on time. Continued Progress Shown in 4/2/01 Tracking Report – 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. Progress Shown in 8/15/01 Tracking Report – No 2001 actions established. Continued work: All issues with automatic toasters are on track. Most automatic toasters comply with the new requirements – heating elements shall de-energize independent of the movement of a simulated toast load. The new requirements ensure that automatic toasters are in compliance with the new requirements by the effective date of November 30, 2001. Progress Shown in 12/21/01 Tracking Report – No 2001 actions established. Continuing work: UL 1026 STP was held on Nov. 27, 2001. A. Trotta (CPSC) is a member of the STP. UL1026 Sec. 10 and 22 respectively address polarization of the attachment plug, and switch that controls heating elements that disconnects the ungrounded conductor. Progress Shown in 3/22/02 Tracking Report – No 2001 actions established. Continuing work: UL has completed its file review process, and any new submittals to UL of automatic toasters must meet the new requirements — heating elements must de-energize independent of the movement of a simulated toast test. On Dec. 26, 2001, UL issued report of the Nov. 27, 2001 STP. UL proposed that special circumstances be recognized in the Standard that under no mode of operation shall all heating elements within a given toaster slot or chamber be in a de-energized state yet be potentially electrically live. The ballot deadline for the UL proposal was Feb. 26, 2002.				

Ta' continued:

Ele Household Cooking and Food Appliances, UL1026 (Toaster Ovens)	Robert Dellavalle	Andrew Trotta	2000 Actions 1. Update CPSC on fire indicator research. 2001 Actions 1. UL hold STP in fall 2001.	2000 Actions 1. By July 31, 2000, send to UL and AHAM further in depth incident data. 2001 Actions 1. CPSC to meet with AHAM to discuss technical proposals for consideration by the fall STP.
Progress Shown in 7/28/00 Tracking Report – 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. Continued Progress Shown in 11/27/00 Tracking Report – 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. Continued Progress Shown in 4/2/01 Tracking Report – 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. Continued Progress Shown in 8/15/01 Tracking Report – UL has been in contact with A. Trotta (CPSC) and has reviewed CPSC's 15 IDI reports provided by CPSC on toaster oven incidents from 1997-1999. The CPSC incidents of reported "unintended turn-on" occurred with a model no longer in production. CPSC indicated that the unintended turn-on resulted from some object on the countertop (pots, pans, ect.) having been pushed up against the actuator holding it in the "on" position. This resulted in damage to the solenoid of the toaster as well the cam of the thermostat control for the oven function. UL is now gathering samples for a study to determine whether control features would be subject to similar unintended turn-on. Following data collection, a proposal would be developed if warranted. An independent on-off push button type switch activated by the closing and opening of the oven door may be a solution to consumers inadvertently leaving on the toaster oven. STP (UL1026, 1082, 1083) has been formed, and a STP meeting is tentatively scheduled for late November 2001. The subject of on-off controls will be on the agenda. A. Trotta (CPSC) is a member of the STP. Progress Shown in 12/21/01 Tracking Report – 2001 action item addressed. Continuing work: UL1026 STP was held on Nov. 27, 2001. A. Trotta (CPSC) is a member of the STP. A number of issues were discussed including unintended "on" condition of a toaster oven. It was reported that some consumers after using the broiler oven function, deactivate their toaster ovens by pulling the plug without setting the broiler oven control to the off position. When the unit is used again, the user may be unaware that the oven control is activated and the unit may then be left unattended by the user. A STP Working Group will be formed to address this issue and report to the STP. Progress Shown in 3/22/02 Tracking Report – Action item addressed. Continuing work: On Dec. 26, 2001, UL issued report of the Nov. 27, 2001 STP. Toaster oven Working Group (WG) was formed to address issues discussed at Nov. 27, 2001 STP meeting with regard to toaster ovens. UL is now gathering additional field report information. R. Dellavalle (UL), A. Trotta (CPSC), W. Morris (AHAM), M. Carley (Proctor Silex), and W. Mulligan (Applica) will serve on the WG. WG will work to develop proposal that will address unintended "on" condition.				

Ta continued:

Ho old Electric Ranges, UL858	Rick Rynkiewicz	Andrew Trotta	2001 Actions 1. UL to hold May 15, 2001 STP.	2001 Actions 1. CPSC to notify UL when A.D. Little has completed their report on technologies for mitigating rangetop fires.

Pr Shown in 7/28/00 Tracking Report – STP for Electric Ranges ( ) was held on 6-27-00 and wa ded by CPSC, AHAM, manufacturers, and consumer experts. A. 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.

Continued Progress Shown in 8/15/01 Tracking Report – 2001 action item addressed. STP held on May 15, 2001. Report of meeting issued by UL on June 18, 2001. Meeting discussions included (1) technology-based solutions to mitigate cooking fires, and (2) proposed revisions to the standard. A.D. Little presented their findings regarding the feasibility of technology to anticipate rangetop fires. The A.D. Little report concludes that there is not a reasonable technology immediately applicable to household ranges to reduce the potential for cook-top fires.

Progress Shown in 12/21/01 Tracking Report – 2001 action item addressed. Continuing work: As a result of the May 15 STP, a Working Group (WG) was formed to address draft proposals and revised requirements intended to address rangetop fires. Teleconference meetings of the WG were held on Sept. 25, 2001 and on Nov. 8, 2001. A late Spring 2002 STP is tentatively planned. Further meetings of the WG will be held prior to the next STP meeting.

Progress Shown in 3/22/02 Tracking Report – 2001 action item addressed. Continuing work: The WG developed a survey that was issued by UL on Feb. 13, 2002. The survey seeks additional direction by the STP membership as to the approach the WG should take regarding the UL858 issue of surface cooking fires, that is, whether or not now is the proper time to propose changes to UL858 to address range surface cooking fires. Though not a voting member, CPSC supports change to UL858 to address surface cooking fires. The survey due date was March 6, 2002. Survey results are now being analyzed by UL. UL served as co-sponsor of a technical seminar on the subject of range fires that was held at the IATC on March 26, 2002. UL anticipates drawing on findings from the technical seminar to develop specific proposals for research aimed at developing technical solutions to range fires. UL staff will develop proposal for research. J. Beyreis contacted the chair of the ANSI Z21 committee responsible for the standard for gas ranges and learned that the ANSI Z21 WG chair has retired. Although the ANSI Z21 WG is not currently active, several members of the WG are also members of the UL STP.

Ta continued:

Electric Skillets and Frying-type Appliances, UL1083 (Deep Fat Fryers)	Robert Dellavalle	Andrew Trotta	2000 Actions 1. Determine effective date. J. Beyreis to meet with UL senior management to decide on effective date by 4-28-00. 2001 Actions 1. None established.	2000 Actions None established. 2001 Actions None established.
Progress Shown in 7/28/00 Tracking Report – UL issued a 5-1-00 UL1083 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. Continued Progress Shown in 11/27/00 Tracking Report – File review has been initiated and products are being submitted. Continued Progress Shown in 4/2/01 Tracking Report – Dec. 20, 2000 UL Bulletin sent to UL1083 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. Feb. 21, 2001 UL Bulletin announced the IAC meeting for March 20, 2001 at ANSI in Wash. D.C. 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. Continued Progress Shown in 8/15/01 Tracking Report – No 2001 actions established. Continued work: Report of the March 20, 2001 IAC was issued on April 24. Comments were due by May 22. June 6, 2001 Bulletin announced adoption of new UL1083 Mechanical Abuse requirements. Continued Progress Shown in 12/21/01 Tracking Report – No 2001 actions established. UL's file review for deep fat fryers was completed on May 30, 2001 and all units manufactured after that date comply with the requirements for detachment of the power supply cord. UL Listings were withdrawn for all deep fat fryers which were not redesigned to make use of a detachable power supply cord. Progress Shown in 3/22/02 Tracking Report – No 2001 actions established. No further work required.				

Ta continued:

AF L1699	Paul Notarian, Dave Dini	Doug Lee	2000 Actions 1. Notify CPSC as product is introduced into marketplace. 2001 Actions 1. Release announcement of STP meeting in early May 2001.	2000 Actions 1. When need arises, consult with UL staff on technical issues. 2001 Actions 1. Send P. Boden applicable AFCI pages of State of Vermont Code.
Progress Shown in 7/28/00 Tracking Report – 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. Continued Progress Shown in 11/27/00 Tracking Report – 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. Continued Progress Shown in 4/2/01 Tracking Report – Nov. 29, 2000 Sub. 1699 Bulletin was sent to IAC announcing willingness to accept submittals for outlet branch ACFIs. The Bulletin included product AFCI UL category guide card information. UL 1699 STP is tentatively set for June 7 in Northbrook. Continued Progress Shown in 8/15/01 Tracking Report – 2001 action item addressed. May 3, 2001 UL Bulletin announced STP meeting scheduled for July 31-August 1, 2001 in Northbrook. July 31-August 1, 2001 STP held in Northbrook. Proposals for revisions to UL1699 are being prepared for balloting by STP members. Progress Shown in 12/21/01 Tracking Report – 2001 action item addressed. Continuing work: Report of Aug. 1, 2001 STP was issued on Aug. 29, 2001. UL issued an Oct. 26, 2001 Bulletin with ballot to STP members requesting comment on proposed new UL1699 requirements for outlet branch circuit AFCIs . Ballot due date is Dec. 11, 2001. Progress Shown in 3/22/02 Tracking Report – 2001 action item addressed. Continuing work: On Feb. 13, 2002, UL issued a Circulation of Comments Received in Response to UL's Subject 1699 Bulletin dated Oct. 26, 2001. Ballot items for outlet branch circuit AFCIs and for reset lockout failed the STP Ballot. UL's web site was updated to include information on AFCIs for regulators.				

Ta' continued:

Po. , Electric Lamps, UL153	Tom Wollan	Anna Luo	2000 Actions 1. Plan UL/CPSC meeting to discuss engineering safety issues and LTMA. 2001 Actions 1. Propose requirements for torchiere fixtures having incandescent lamps.	2000 Actions 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. 2001 Actions 1. Inform UL of anticipated 2003 projects involving lamping products.

Pr s Shown in 7/28/00 Tracking Report – On 6-21-00, J. Drengen llowed up with B. King re .g scheduling technical meetings. B. King suggested that it was arly 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. Continued Progress Shown in 11/27/00 Tracking Report – 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. Continued Progress Shown in 4/2/01 Tracking Report – 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. Continued Progress Shown in 8/15/01 Tracking Report – 2001 action item addressed. STP is being formed. Invitations to apply for STP membership were sent on August 6, 2001. Invitation having Request for Proposal was sent to A. Lou (CPSC). When proposal information is received from CPSC, UL will prepare mailing to STP membership for preliminary comment. The STP response will determine the need to call a meeting to discuss this issue. UL has drafted requirements for torchiere fixtures having incandescent lamps. The draft will be presented to STP. Following STP formation, UL will ballot the new proposed Twelfth Edition of UL153. Comments received by UL will determine the schedule and agenda for the initial UL153 STP. Progress Shown in 12/21/01 Tracking Report – 2001 action item addressed. Continuing work: On Oct. 4, 2001 CPSC submitted a proposal for performance testing for torchiere type luminaires having incandescent lamps for review by the UL153 STP. UL notified CPSC that their proposal is considered preliminary and that a Working Group (WG) is being formed to study the CPSC proposal and report back to the STP. UL notified CPSC that a WG is being formed, and that A. Lou (CPSC) was invited by UL to participate on the WG. WG is now being finalized. UL Oct. 12, 2001 UL letter with ballot to STP members included the Proposed 12^{tth} Ed. of UL153, and the CPSC proposal. Ballot due date is Dec. 14, 2001. Progress Shown in 3/22/02 Tracking Report – 2001 action item addressed. Continuing work: UL has established a Working Group (WG) to study the CPSC proposal and report back to the STP. On Jan. 22, 2002 UL issued a Bulletin announcing invitation to an Ad Hoc meeting. UL has scheduled the Ad Hoc meeting for April 25, 2002 at the UL RTP Office to discuss CPSC's proposed requirements for torchiere type luminaires having incandescent lamps.	

Ta continued:

Ba Operated Ride-On Toys	Todd Bonfanti Roland Riegel	Doug Lee	2000 Actions 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. 2001 Actions 1. Address comments on March 21, 2001 UL Bulletin. 2. Complete review of UL Listing Cards by May 31, 2001. 3. Issue UL Bulletin on willingness to accept submittals of Class 2 Power Units with backfeed protection (BFP).	2000 Actions None established. 2001 Actions 1. Comment to UL on March 31, 2001 UL Bulletin.

Pr[illegible] Shown in 7/28/00 Tracking Report – UL continues its repres[illegible]n on the F-15 committee. D. [illegible]CPSC) is also a member of this committee. CPSC is, therefore, [illegible]re 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. Continued Progress Shown in 11/27/00 Tracking Report – UL will issue a proposal before 12-31-00 to establish requirements in UL1310 for battery chargers for use with ride-on toys. The proposal will include optional backfeed protection requirements. Continued Progress Shown in 4/2/01 Tracking Report – 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. Continued Progress Shown in 8/15/01 Tracking Report – 2001 action items addressed. Continued work: UL continued its representation on the ASTM F15 committee, and UL1310 will be referenced in ASTM Standard F963. UL completed its review of the product Listing Cards. March 21, 2001 UL Bulletin announced willingness to accept submittals of Class 2 Power Units with BFP. UL has reviewed comments on the March 21, 2000 Bulletin and is presently drafting responses to the comments. At this time, UL has not received Listing submittals for UL1310 units with BFP. Progress Shown in 12/21/01 Tracking Report – 2001 action items addressed. Continuing work: UL1310 (Sec. 49.1.9) now includes marking requirements for BFP. To date, UL has not received Listing submittals for UL1310 units with BFP. Progress Shown in 3/22/02 Tracking Report – 2001 action item addressed. Continuing work: UL continued its representation on the ASTM F15 committee (ASTM Standard F963). UL suggested to ASTM F15 committee that UL1310 requirements should be cited in F963. UL1410 Sec. 49.1.9 now includes marking requirements for BFP, "A Class 2 Power Unit that incorporates backfeed protection in accordance with 13.4.3 and 13.4.4, is able to be provided with the optional marking, "Backfeed Protection", "BFP", or equivalent. " To date, UL has not received Listing submittals for UL1310 units with BFP.	

Ta continued:

Po Electric Heaters	Robert Wozniak	Mai Ngo	2000 Actions None established. 2001 Actions None established.	2000 Actions 1. Send letter to Robert Wozniak (UL) showing incidence data and statistical inferences. 1. Share information with Robert Wozniak (UL) on field survey samples tested by CPSC. 2001 Actions
Progress – No action item established. Continued Progress Shown in 4/2/01 Tracking Report – 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. Continued Progress Shown in 8/15/01 Tracking Report – UL attended a July 26, 2001 meeting at CPSC. The meeting was requested by AHAM to determine the test methods that CPSC used for the tests described in their March 12 letter to UL. UL will further study the data developed by CPSC and will develop a proposal for a study of various materials and products which may be used for additional experiments to address UL2021. Progress Shown in 12/21/01 Tracking Report – By second quarter of 2001, UL will develop data on radiant heaters. Progress Shown in 3/22/02 Tracking Report – 2001 action item addressed. Continuing work: UL is now conducting research into surface temperatures limits with respect to burn hazards for all products. Revised surface temperature limits could result in upgrading requirements for UL1278 that covers radiant heaters.				

Fixe _ocation and Dedicated Electric Room Heaters, UL2021. Electric Baseboard Heating Equipment, UL1042. Movable and Wall- or Ceiling Hung Electric Room Heaters, UL1278.	Robert Wozniak	Randy Butturini	2000 Actions 1. Determine where CPSC can acquire cattle hair felt for use as a fire indicator (UL2021). 2001 Actions 1. Plan technical meeting with CPSC to discuss UL1042, UL2021.	2000 Actions 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. 2001 Actions 1. Complete IDI on fixed room elecric heaters by summer 2001. Issue report by mid-fall 2001.
Progress Shown in 7/28/00 Tracking Report – 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.				

Ta continued:

Ele. Fans Portable, UL507	Debra Conner	Anna Luo	2000 Actions None established. 2001 Actions 1. UL 507 end-product standard to be revised to include new UL746C requirements for unattended portable products.	2000 Actions 1. Will report on CPSC ongoing project to evaluate fans by fall 2000 or no later than by the 2001 UL/CPSC Annual Meeting. 2001 Actions 1. Will release In-Depth Investigation report on electric fans by December 1, 2001. 2. Discuss the results of CPSC's In-Depth Investigation with UL and AHAM.
Progress – No action item established. Continued Progress Shown in 8/15/01 Tracking Report – 2001 action item addressed. UL 507 references UL746C for polymeric enclosures of fans. Effective date of 6-1-04 has been established for all paragraphs in UL507 that reference UL746C. Progress Shown in 12/21/01 Tracking Report – 2001 action item addressed. Continuing work: UL issued Important letters on Sept. 7, 2001 and Nov. 11, 2001 that addressed compliance with the Standard for Polymeric Materials – Use in Electrical Equipment Evaluations, UL746C, which is referenced in UL507. Progress Shown in 3/22/02 Tracking Report – 2001 action item addressed. Continued work: Effective Date for UL507 product compliance with UL746 requirements is Jan. 1, 2004. Enclosure requirements for UL507 will increase from HB to V2, V1, or V0, but can remain HB if certain enclosure conditions are met. In the UL Nov. 11, 2001 Important Letter, manufacturers were requested to supply to UL no later than March 7, 2002, information regarding their Listed products. Manufacturers were notified that continuation of UL Listing of their product was contingent upon the product being found to comply with the new requirements. Mechanical Cord Damage — CPSC March 12, 2002 letter to UL proposed changes to UL 507 based upon a number of CPSC IDIs; cord pinching, pedestrian traffic, storage damage, furniture-cord entrapment. CPSC recommends upgrading cord and wiring construction requirements like those used for vacuum cleaners. UL will review and respond to CPSC proposal.				

Poi, ·ric Materials – Used in Electrical Equipment Evaluations, UL746C	John Stimitz	Hammad Malik	2000 Actions 1. Send proposal for alternate path to CPSC. 2001 Actions None established.	2000 Actions 1. Respond to alternate path proposal. 2001 Actions 1. None established.
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. 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. 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. 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/. Continued Progress Shown in 8/15/01 Tracking Report – No 2001 actions established. Progress Shown in 12/21/01 Tracking Report – All 2000 actions addressed. None established for 2001. Sec 5 of UL746C now shows alternate path for portable unattended household equipment. Progress Shown in 3/22/02 Tracking Report – No 2001 actions established. All 2000 actions addressed.				

Ta continued:

GF JL943	Paul Notarian, Dave Dini	Doug Lee	2000 Actions 1. Joint action, share information on GFCIs when appropriate. 2001 Actions 1. Release minutes of March 14, 2001 STP by late spring. 2. Send draft proposals out to STP for comment by early June. 3. Review comments by mid-July. 4. Release proposal with ballot to STP members for vote having a 60-day ballot period.	2000 Actions 1. Joint action, share information on GFCIs when appropriate. 2001 Actions 1. Send position paper to UL IAC chair for attachment to March 14, 2001 STP meeting report.

Pr[illegible]s Shown in 7/28/00 Tracking Report – A 5-24-00 email from P. [illegible]en 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. Continued Progress Shown in 11/27/00 Tracking Report – 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. Continued Progress Shown in 4/2/01 Tracking Report – 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 titiled, "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. Continued Progress Shown in 8/15/01 Tracking Report – UL released a June 8, 2001 report of the March 14 STP meeting. On July 9, 2001 via email, UL released Bulletin for comment on Preliminary Draft of UL943 STP proposals to STP members. Comments are due by 9-10-01. Progress Shown in 12/21/01 Tracking Report – 2001 action items addressed. UL issued a Sept. 1, 2001 Bulletin to STP and other interested parties announcing revised and new requirements for UL943. Comment due date was Oct. 1, 2001. Nov. 1, 2001 Bulletin announced adoption of new requirements with a Jan. 1, 2003 Effective Date. New requirements include a Reverse Line-Load Miswire Test, Reset Lockout, Circuit Monitoring, et al. This will necessitate a UL review and possibly re-test of presently Listed GFCIs. UL943 STP ballot was issued to STP members on Nov. 2, 2001. Ballots due by Dec. 17, 2001. Progress Shown in 3/22/02 Tracking Report – 2001 action item addressed. Continuing work: Regarding the Nov. 2, 2001 Ballot to STP members, four of 11 ballot items passed. UL is in the process of resolving negative ballot comments. A recirculation of the ballot is planned during second quarter 2002.	

Ta continued:

CC .ms	Paul Patty	Don Switzer	2000 Actions 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. 2001 Actions 1. Advise CPSC next Ad Hoc meeting date.	2000 Actions 1. Joint action, share field sampling survey data 2001 Actions 1. CPSC to attend Ad Hoc meetings.
Progress Shown in 7/28/00 Tracking Report – 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. Continued Progress Shown in 11/27/00 Tracking Report – 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. Continued Progress Shown in 4/2/01 Tracking Report – 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. Continued Progress Shown in 8/15/01 Tracking Report – 2001 action item addressed. May 15, 2001 UL email sent notification and agenda for the June 14 Ad Hoc meeting at CPSC. Attendees included UL, CPSC, and industry representatives. Discussions at the meeting included (1) response to mixtures of CO and combustion product tests, (2) accelerated lifetime exposure test, (3) sensor tests, (4) accuracy requirements for alarm displays, and replacement data for alarms. Progress Shown in 12/21/01 Tracking Report – 2001 action item addressed. Continuing work: UL2034 is now in the ANSI approval process. No further Ad Hoc meetings are planned. Progress Shown in 3/22/02 Tracking Report – 2001 action item addressed.			

Ta continued:

Sir, and Multiple Smoke Alarms, UL217	Paul Patty	Arthur Lee	2001 Actions 1. Attend April 18, 2001 meeting at NIST.	2001 Actions 1. Attend April 18, 2001 meeting at NIST.
Continued Progress Shown in 4/02/01 Tracking Report – 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. Continued Progress Shown in 8/15/01 Tracking Report – 2001 action item addressed. UL attended the April 18, 2001 Smoke Alarm Research Project Status Report Meeting held at NIST. NIST planned that testing would begin in late May, followed by testing at the Kingston, NC site in mid-summer 2001. Progress Shown in 12/21/01 Tracking Report – 2001 action item addressed. Continuing work: UL attended Nov. 8, 2001 NIST Smoke Alarm Research Project Steering Committee meeting. NIST has completed nearly 50% of scheduled tests. Data reported to date is consistent with data generated by UL during the "Dunes Study." UL is awaiting complete results from NIST before any standard revisions are proposed. Progress Shown in 3/22/02 Tracking Report – 2001 action item addressed. Continued work: UL continued with its role on the NIST Steering Committee. Based on the results compiled by NIST to date, it is anticipated that the results will not warrant changes to UL 217, Single and Multiple Stage Smoke Alarms.				

Ta continued:

Fi Extinguishers, UL711	Emil Misicho	Roy Deppa, Rikki Khanna	2000 Actions 1. Plan UL/CPSC meeting to discuss engineering safety issues. 2. Keep CPSC informed as rangetop extinguisher products reach marketplace. 2001 Actions 1. Keep CPSC informed regarding new Listings of extinguishers for use on the rangetop. 2. UL staff to contact R. Khanna regarding the use of heptane for performance testing.	2000 Actions 1. Plan UL/CPSC meeting to discuss engineering safety issues. 2001 Actions None established.
Progress Shown in 7/28/00 Tracking Report – 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. Continued Progress Shown in 11/27/00 Tracking Report – 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. Continued Progress Shown in 4/2/01 Tracking Report – 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. Continued Progress Shown in 8/15/01 Tracking Report – 2001 action item addressed. A manufacturer has obtained UL Listing of a residential kitchen cooking fire extinguisher. UL released a May 11, 2001 Bulletin announcing the product category "Residential Kitchen Cooking Fire Extinguishers – Subject 605." UL communicated with R. Khanna (CPSC) regarding heptane used in performance testing. Progress Shown in 12/21/01 Tracking Report – 2001 action item addressed. UL has not received further Listing submittals of Residential Kitchen Cooking Fire Extinguishers. Progress Shown in 3/22/02 Tracking Report – 2001 action item addressed. The one manufacturer who had obtained UL Listing of a residential kitchen cooking fire extinguisher, has withdrawn their Listing. Withdrawal was based upon their perceived liability associated with the extinguisher. To date, UL has not received further listing submittals of Residential Kitchen Cooking Fire Extinguishers.				

Ta continued:

Ca. .id Stands	Mark Granata Brad Rowe	Roy Deppa, Troy Whitfield	2000 Actions 1. Interface with CPSC (Troy Whitfield) on direction of Push Test. 1. Keep CPSC informed about Horizontal Force Stability Test development. 2001 Actions None established	2000 Actions None established. 2001 Actions None established.
Progress Shown in 7/28/00 Tracking Report – 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 reballoted for ANSI. STP is planned for early fall in RTP. Continued Progress Shown in 11/27/00 Tracking Report – 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. Continued Progress Shown in 4/2/01 Tracking Report – 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 teleconfernce with UL and chief STP members to discuss the vote on the present ballot concerning the Force Stability Test. It is planned that the teleconfernce 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. Continued Progress Shown in 8/15/01 Tracking Report – No 2001 actions established. Continued work :UL has reviewed and addressed comments on proposals presented at the January 2001 IAC meeting. On April 28, 2001, UL met with T.Whitfield at CPSC. At the meeting, UL updated CPSC on status of developing UL6500 tip stability requirements, and the effective date of July 2004. UL released a June 1, 2001 Bulletin requesting comments on the proposed postponement of effective date of January 31, 2003 to July 1, 2004. UL released a June 29, 2001 Bulletin requesting comments on proposed apparatus stability requirements. Comments are due by August 10. UL released a July 31, 2001 Bulletin announcing the effective date of July 1, 2004 for the UL6500 Apparatus Stability Requirements. Progress Shown in 12/21/01 Tracking Report – No 2001 action items established. Continuing work: The Standard for Household, Commercial, and Professional-Use Carts and Stands, UL1678 has received ANSI approval. Section 15 includes the Tip Stability Test. No further STP meetings are planned. Progress Shown in 3/22/02 Tracking Report – 2001 action item addressed.				

Ta continued:

Sta ary and Fixed Electric Tools, UL987 (Table Saws)	Gary Schremmp	Roy Deppa, Caroleene Paul	2000 Actions 1. None established. 2001 Actions 1. Provide CPSC with information regarding development of the binational standard for portable power tools.	2000 Actions 1. Reply to 4-12-00 UL letter sent to C. Paul regarding Proposed changes to UL987. 2001 Actions 1. Provide PTI with further follow up on the PTI safety video.
Progress Shown in 7/28/00 Tracking Report – 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. Continued Progress Shown in 11/27/00 Tracking Report – 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. Continued Progress Shown in 4/2/01 Tracking Report – 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 requirments 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. Continued Progress Shown in 8/15/01 Tracking Report – 2001 action item addressed. UL updated C. Paul (CPSC) on saw guarding issues related to UL987. UL is awaiting response from PTI on UL comments made on the PTI safety video. UL has been in contact with PTI to canvass industry representatives interested in drafting and reviewing new requirements. Progress Shown in 12/21/01 Tracking Report – 2001 action item addressed. Continuing work: Working Group (WG) meeting was held in mid-Oct. Table saw Ad Hoc meeting was held on Nov. 29, 2001. Next Ad Hoc meeting is scheduled for Feb. 6, 2002. STP meeting will most likely occur in late Spring, 2002. UL has reviewed and endorsed the latest version of the PTI safety video. PTI has added additional video cuts and description of featherboards and kickback situations. CPSC has not yet commented on the latest version of the PTI video. According to PTI, the video will be made available to all saw manufacturers, and will be distributed to specific tech schools and instructors. The video will also be made available on the PTI webiste. PTI, CPSC, and UL will research legal concerns for discussing patented table saw safety devices. Ad Hoc members temporarily prohibited further discussion of these devices. Numerous assignments were made during the Nov. 29, 2001 meeting, and the assignments will be reported on at the Feb. 6, 2002 Ad Hoc meeting. Recommendations and reports of the Ad Hoc's findings will be made available at the Spring, 2002 STP meeting. Progress Shown in 3/22/02 Tracking Report – 2001 action item addressed. Continued work: Table Saw Ad Hoc meeting was held on Feb. 6, 2002 with discussions involving the "Saw Stop" device. C. Paul (CPSC) attended the meeting. UL STP meeting is scheduled for May 6, 2002. PTI has completed the safety video, and will begin distribution.				

APPENDIX A

The following issue was not discussed at the April 11, 2001 UL/CPSC Annual Meeting. Hence, there were no action items established on this issue. This issue is included as an addendum to this Tracking Report.

Hair Dryers (Personal Grooming Appliances, UL 859 – CPSC has conducted a review of epidemiology information, and believes that there is a risk of burn associated with hairdryers. CPSC is concerned with burns related to cord flexing, ignition of parts and surrounding materials, and burns related to switch. CPSC has suggested review of requirement for hair dryer components. A meeting was held at CPSC on July 16, 2001 to discuss this matter. UL, CPSC, AHAM, and industry representatives were in attendance. At the present time, UL is involved with field experience information and has planned a STP meeting for early October 2001. Agenda items will address CPSC's concerns, and the agenda is expected to be distributed in late September.

Progress Shown in 12/21/01 Tracking Report – UL859 STP was held on Oct. 4, 2001. Agenda topics were developed with input from B. King (CPSC) prior to the meeting. Chief technical topics included 1) ALCI Output Cord Flexing Test: UL proposed cord flexure requirements to UL859 via the STP process; 2) Switches: Concerns relate to inadvertent turn-on and to arcing, UL proposed increasing the minimum cycle requirement, a Working Group will be formed to explore enhanced switch construction/performance criteria; 3) Cord Strain Relief: UL proposed strain relief requirements to UL859 via the STP process, a Working Group will be formed to explore this test proposal; and 4) Enclosure Flammability: UL proposed that UL859 be revised to more explicitly require enclosure material in the vicinity of the heater element to either be resistant to ignition or have a self-extinguishing flammability rating of V-2 or better, there is agreement that heater coil spacing, resistance to ignition, and flame retardant issues need further discussion, a Working Group will be formed. CPSC staff have indicated agreement with UL's overall direction with hairdryers.

Progress Shown in 3/22/02 Tracking Report – Four Working Groups (WG) have been formed, with some WGs being chaired by industry representatives. To date, WG meeting dates have not been established.

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