

~~ORIGINAL CLEARANCE~~ 4/26/03  
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**U.S. CONSUMER PRODUCT SAFETY COMMISSION  
LOG OF MEETING  
DIRECTORATE FOR ENGINEERING SCIENCES**

SUBJECT: Standards Technical Panel for Electric Fans

DATE OF MEETING: February 27, 2007

PLACE OF MEETING: Clearwater, Florida

LOG ENTRY SOURCE: Anna Luo, ESEE *AL*

DATE OF LOG ENTRY: March 16, 2007

COMMISSION ATTENDEES: Anna Luo, ESEE

NON-COMMISSION ATTENDEES: (See attachment)

SUMMARY OF MEETING:

CPSC staff attended a meeting of the Standards Technical Panel (STP) of UL 507 for Electric Fans at Clearwater, Florida. The following standard issues were discussed during the meeting:

UL 507 Agenda Topics

- Updates from STP 507 Task Groups
- Updates on Discussion Topics and Proposals from March 2006 STP Meeting
- Power Supply Cord Task Group
- Coil Wrap Requirements for Open Motors Utilized in Ceiling and Wall Insert Fans
- Dowlraft Fans - Flare Up Test Revisions
- Temperature and Grease Build-Up Profile Test
- Temperature Test for Cooking Area Fans
- Glass Used in Rangehoods
- Range hoods Employing Motor-Operated Intake Slats
- Lamp Containment Barriers
- Portable Appliances Intended for Outdoor Use
- Exposure of Combustible Materials Within Ceiling Suspended Fan Outlet Boxes
- Installation and Use and Care Manuals Supplied in Electronic Format
- Replace Table 31.1 with Table 21.1 of UL 705
- Removal of the Canadian Requirements Comparison Guide (CRG)
- Crawlspace Ventilators
- Industrial Air Circulators – Motor Enclosure Temperatures
- Guarding of In-Line Duct Fans
- Half- Wave Temperature Test – Definition of <sup>2</sup>Usable Normal Condition<sup>2</sup>
- Static Load Test Clarification
- Tub and Shower Definition
- Miscellaneous Revisions

## UL 705 Agenda Topics

- Addition of Requirements for Commercial Ceiling Insert Fans for Use Over Tub and Shower Enclosures to UL 705

The fan power cord working group finalized the proposal that requires portable fan power cords to pass a performance test, which includes pinching, abrasion, crushing, and flexing tests. The proposal was sent to the STP members on November 20, 2006 for comments (due January 19, 2007). AHAM (Wayne Morris) commented on the flexing test, which resulted in lowering the flexing test cycles from 6,000 (original proposal) to 3,100 cycles. CPSC staff is concerned that the future power supply cord would be less flexible when compared to the current SPT-2 power cord because the UL test results show that SPT-2 failed at 5,000 cycles to 10,000 cycles. CPSC staff showed support for the new proposed requirements, but also voiced a concern about lowering the number of flexing cycles.

CPSC staff also distributed the CPSC proposal on electric fans associated with home-use inflatable children's toys to the STP members at the meeting. The proposals will be submitted through the UL CSDS.

STP members agreed in principle that some of the proposed requirements be forwarded to the STP for balloting. STP chairman will establish working groups to discuss details of some issues before proposals are submitted to the STP for balloting. Detailed minutes of the meeting will be issued by UL.

## Attachment

### **STP Members:**

Barth, Jeffrey - A O Smith Corp Electrical Products Co.  
Battema, Ron - Compliance Consulting Inc.  
Beideman, Gary - Lasko Metal Products Inc.  
Crawford, Lee - Jarden Consumer Solutions  
Dahl, David - Greenheck Fan Corp.  
Desjardins, Dan - Fantech Ltd.  
Diescher, James - Intertek  
Hallett, Mark - Universal Metal Industries Inc.  
Helmes, John - Nutone Inc.  
John, Bill - EBM-Papst Inc.  
Martin, Julian - Hunter Fan Co. (Substitute for Robert Davis)  
Malohn, Susan - UL, STP Project Manager  
Maurio, Chante W. - UL, PDE for UL 507  
Morris, Wayne - Association of Home Appliance Mfrs  
Musso, Joe - UL, STP Chair  
Wolbrink, Dave - Broan - NuTone LLC  
Wood, Laura - Home Ventilating Institute  
Zelazny, George

### **Guests:**

Birdsell, Walt - Kaz Inc  
Blewitt, Tom - Underwriters Laboratories Inc.  
Boldt, Jim - Broan-NuTone LLC  
Eggleston, Gregory - Whirlpool Corp Laverne Div  
Eiden, Christopher - Greenheck Fan Corp  
Farchione, David - Broan-Nutone LLC  
Friedlander, Matthew - Renew Aire LLC  
Fox, John - Air King Ventilation Products  
Gagas, John - Western Industries  
Harper, John - JDH Consultants, LLC  
Jacoby, Howard - Jarden Consumer Solutions  
Lee, Don - CSA  
Mac Lean, Arnie - Eclipse Enviro Inc.  
Morrison, Trey - Exponent Failure Analysis Associates  
Radcliffe, Carl - UL, PDE for UL 705  
Raymer, Paul - Heyoka Solutions, LLC  
Svedland, Jirri - AB C.A. Ostberg  
Wettergren, Ola - Fantech/Kanalflakt

### **Walk-ins:**

Steve Tarpley - Ventamatic LTD  
Jim Laughlin - Ventamatic LTD  
Ken Jonas - Broan-NuTone LLC

Russell Pope - Soler Palau/Breidert Air Products

Al Cotrone - UL

Don Stevens - Stevens and Associates/Panasonic

Peter Grinbergs - Nutech Brands Inc.

Chuck Levine - Acme Miami

Rick Olmstead - Venmar Ventilation Inc.

Daniel Forest - Venmar Ventilation Inc.