

**U.S. Consumer Product Safety Commission
LOG OF MEETING**

CPSC/OFFICE OF
THE SECRETARY

2000 MAY 30 A 11:46

SUBJECT: Meeting of the American Council on Electrical Safety (ACES)

CPSA 6 (b)(1) Cleared

2/5/30/00
NO Mfrs. or
Products Identified

Excepted by

Firms Notified,

Comments Processed.

DATE OF MEETING: May 23, 2000

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

DATE OF LOG ENTRY: May 24, 2000

LOCATION: 701 Pennsylvania Ave., N.W., Washington, DC

CPSC ATTENDEE(S): William H. King, Jr., ES

NON-CPSC ATTENDEE(S): See attached list.

SUMMARY OF MEETING: A copy of the meeting agenda is attached. On behalf of the ACES, the American Council of Independent Laboratories (ACIL) serves as secretary and will prepare notes of the meeting. Mr. King spoke briefly from his notes which are covered by the slide presentation, a copy of which is attached.



*The Worldwide Leader Advancing
the Interests of the Testing Industry*



ACIL Council on Electrical Safety (ACES)

May 23, 2000

9:30 AM - 4:30 PM

**Edison Electric Institute
701 Pennsylvania Avenue, NW, Suite 400
Washington, DC**

Agenda

- I. ✓ **Opening Remarks**
Leonard Frier, Met Laboratories
 - * Welcome and Introductions
 - * Review Agenda
 - * Review Previous Meeting Report
- II. ✓ **Review and Approve Terms of Reference**
Pat Paladino, Intertek Testing Services
- III. **Volunteers - Chairman, Vice Chairman and Executive Secretary**
Mary Jo DiBernardo, ACIL
- IV. ✓ **How the Changing Regulatory Process Effects Electrical Products in the U.S.**
Len Frier
- V. ✓ **Overview of the U.S. Certification System**
Nick Maalouf, Entela
- VI. ✓ **Understanding Mutual Recognition Agreements**
Milton Bush, The M Companies

VII. ✓ **The Electrical Safety Annex of the US-EU MRA**
Bernard Pasquet, OSHA

VIII. ✓ **Update on OSHA's Agenda for Standards**
Joe Pipkin, OSHA

IX. ✓ **New and Changing Requirements on Custom Equipment**
James Stallcup, Grayboy & Associates

X. **Consumer Product Safety Commission Update**
Bill King, CPSC

XI. ✓ **U.S. Participation in the IEC Ex Scheme**
Bob Martell, Factory Mutual Research Corporation

XII. **Open Discussion on Hazardous Products and Incidences**
(Please Note: ACES is always soliciting information regarding hazardous electrical products to disseminate to participants. This is the primary purpose of ACES.)

XIII. **Promoting the Goals and Objectives of ACES**

XIV. **Other**
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XV. **Next Meeting**
November 2000
Location TBA

Oct 15-18 I
Oct 19 (tent)
~~Baltimore~~ ✓ Atlanta area
win cube with
IAES Southern section

Lunch will begin between 12:00-12:30 and a refreshment break is scheduled in the afternoon.

Tarry
Interna
Electri
Florida
4481
Cocon
Tel: 9
Fax: 9
tbaker

Mark
MET
914 W
Baltin
Tel: 4
Fax: 4
mbald

Chris
NTS
533 N
Actor
Tel: 9
Fax: 9
christ

Thom
DHCS
417 E
Baltir
Tel: 4
Fax: -

Milto
The
3942
Arlin
Tel:
Fax:
Ther

ACIL Council On Electrical Safety (ACES)

Tuesday, May 23, 2000
Edison Electric Institute
Washington, DC
9:30 a.m. - 4:30 p.m.

Tarry L. Baker
International Association of
Electrical Inspectors
Florida Chapter
4481 NW 3rd Court
Coconut Creek, FL 33066
Tel: 954/765-4500
Fax: 954/765-4504
tbaker@co.broward.fl.us

Mark Baldwin
MET Laboratories
914 W. Patapsco Avenue
Baltimore, MD 21202
Tel: 410/354-3300
Fax: 410/354-3313
mbaldwin@metlabs.com

Christine Briggs
NTS
533 Main Street
Acton, MA 1720
Tel: 978/263-2933
Fax: 978/263-5734
christineB@ntscorp.com

Thomas Broznovicz
DHCD City of Baltimore
417 E. Fayette St., RM 358
Baltimore, MD 21202
Tel: 410/396-3416
Fax: 410/545-6919

Milton Bush
The M Companies
3942 North Upland Street
Arlington, VA 22207
Tel: 703/533-9539
Fax: 703/533-1612
Themcos@aol.com

James Carpenter
North Carolina
Department of Insurance
Office of State Fire Marshall
410 N. Boylan Avenue
Raleigh, NC 22603
Tel: 919/733-3901
Fax: 919/733-9171
jcarpert@mail.doi.state.nc.us

Rick Cooper
MET Laboratories
914 W. Patapsco Avenue
Baltimore, MD 21230
Tel: 410/354-3300
Fax: 410/354-3313
rcooper@metlabs.com

Phillip Cox
International Association of
Electrical Inspectors
P.O. Box 830848
Richardson, TX 75083-0848
Tel: 972/235-1455
Fax: 972/235-3855
phcox@compuserve.com

Mary Jo DiBernardo
ACIL
1629 K Street, N.W., Ste 400
Washington, D.C. 20006
Tel: 202/887-5872
Fax: 202/887-0021
mjdibernardo@acil.org

Paul Dobrowsky
Electrical Association of
Rochester
5701 South Holley Road
Holley, NY 14470-9754
Tel: 716/726-3891
Fax: 716/726-4297
paul.dobrowsky@kodak.com

Leonard Frier
MET Laboratories
914 W. Patapsco Avenue
Baltimore, MD 21202
Tel: 410/354-3300
Fax: 410/354-3313
lfrier@metlabs.com

John Habicht
DHCD City of Baltimore
417 E. Fayette St., Room 358
Baltimore, MD 21202
Tel: 410/396-3410
Fax: 410/545-6919

James Kendzel
NSF International
789 N. Dixboro Road
Ann Arbor, MI 48105
Tel: 734/769-5184
Fax: 734/769-5408
kendzel@nsf.org

William King
U.S. Consumer Product
Safety Commission
4330 East West Highway
Bethesda, MD 20814-4408
Tel: 301/504-0508
Fax: 301/504-0533
wking@cpsc.gov

Jonathan Kotrba
TUV Rheinland, N.A.
1945 Techny Road
Northbrook, IL 60062
Tel: 847/562-0688
Fax: 847/562-0688
jkotrba@tuv.us.com

Nick Maalouf
Entela
81 Kelfield Street, Unit 7
Toronto, Ontario, Canada
M9W 5A3
Tel: 416/241-8427
Fax: 416/241-0682
nmaalouf@entela.com

Nino Mancini
CSA International
178 Rexdale Blvd.
Toronto, Ontario, Canada
M9W 1R3
Tel: 416/747-4225
Fax: 416/747-4173
nino.mancini@
csa-international.org

Bob Martell
Factory Mutual Research
1151 Boston-Providence
Turnpike
Norwood, MA 02062
Tel: 781/255-4850
Fax: 781/762-9375
robert.martell@
factory-mutual.com

Paul Moliski
Intertek Testing Services
23 Croton Avenue
Cortland, NY 13045
Tel: 607/758-6336
Fax: 607/758-9608
pmoliski@itsqs.com

Terrence Moore
County of Fairfax
12055 Gov't Center Pkwy 6th
Floor, Commerical
Fairfax, VA 20035
Tel: 703/324-1910
Fax: 703/324-1846

Pat Paladino
Intertek Testing Services
70 Codman Hill Road
Boxborough, MA 01719
Tel: 978/635-8610
Fax: 978/264-9403

Bernard Pasquet
OSHA
200 Constitution Ave, NW
Washington, D.C. 20210
Tel: 202/693-2110
Fax: 202/693-1644
bernard.pasquet@osha.gov

Leon Peters
DHCD City of Baltimore
417 E. Fayette St., Room 358
Baltimore, MD 21202
Tel: 410/396-3412
Fax: 410/545-6919
leopas@worldnet.att.net

Joe Pipkin
OSHA
200 Constitution Ave, NW
Washington, D.C. 20210
Tel: 202/693-2277
Fax: 202/643-1663
joseph-pipkin@osha-
no.ohsa.gov

Clinton Pratt
City of Annapolis
160 Duke of Gloucester St.
Annapolis, MD 21401
Tel: 410/263-7946
Fax: 410/263-9158
ccp@ci.annapolis.md.us

Robert Smith
First State Inspection
Agency, Inc.
240 North James Street
Ste 100B
Newport, DE 19804
Tel: 302/683-0400
Fax: 302/633-4001
rsmithfsia@aol.com

James Stallcup
GrayBoy & Associates
4308 Broadway
Forth Worth, TX 76117
Tel: 817/831-6599
Fax: 817/831-6579
grayboy03@aol.com

Alan Sukert
Applied Research
Laboratories
5371 NW 161 Street
Miami, FL 33014
Tel: 305/624-4800
Fax: 305/624-3652
arltest@aol.com

Gregory Thompson
City of Baltimore
Public Works, Gen. Serv.
200 N. Holliday St., RM 700
Baltimore, MD 21202
Tel: 410/396-3710
Fax: 410/385-0923

Kathleen Winn
Kathleen Winn & Associates
213 A Street, N.E.
Washington, D.C. 20002
Tel: 202/547-3363
Fax: 202/544-6144
kjayewinn@aol.com

U.S. Consumer Product Safety Commission
www.cpsc.gov



ACIL Council on Electrical Safety
May 23, 2000
William H. King, Jr.
Chief Engineer for Electrical & Fire Safety
wking@cpcc.gov

CPSC - FY 2000

- Independent Federal regulatory agency
- Total Budget - \$49 million
- About 480 staff (incl. 40 engineers)
 - ! Headquarters 310 (Bethesda, MD)
 - ! Field 137
 - ! Laboratory 33 (Gaithersburg, MD)

Current CPSC Electrical Projects

- | | |
|---|--|
| ■ Plastic Appliance Enclosures/Components | ■ Arc Fault Circuit Interrupters (AFCI) |
| ■ Range Cooking Fires | ■ Countertop Cooking Appliances (toasters, toaster-ovens, deep fat fryers) |
| ■ CO & Smoke Alarms | ■ Clothes Dryers |
| ■ Fixed Room Heaters | ■ National Electrical Code |
| ■ Table Saws | ■ Shock Prevention Devices |
| ■ Portable Fans | |
| ■ Battery-operated Ride-on Toys | |
| ■ Home Wiring | |

Some Past CPSC Electrical Activities

- | | |
|--|-----------------------------|
| ■ Electric Blankets | ■ Extension Cords |
| ■ TV Receivers | ■ Christmas Lights |
| ■ Portable Lamps, incl. torchieres | ■ Portable Electric Heaters |
| ■ Countertop Cooking Appliances (coffeemakers) | ■ Electric Toys |
| ■ Ground-Fault Circuit-Interrupters | ■ Heat Tapes |
| | ■ Hair Dryers |

PLASTIC APPLIANCE ENCLOSURES

- Thousands of portable appliance fires reported each year
 - ! E.G., fans, nursery monitors, humidifiers, coffeemakers,, irons, others
- Internal components fail and ignite non-FR plastic enclosures
- UL Plastics Flammability Ad Hoc Group formed in 1996
- Modifications to UL standards in process

ARC-FAULT CIRCUIT-INTERRUPTERS

- New technology addresses arcing faults
 - Line-to-line, broken wire
- Tested by CPSC staff in 1997-98 - work really well!
- Introduced into the 1999 *National Electrical Code*

Range Cooking Fires

- Seeking to prevent ignition of food on both gas and electric surface burners
- After 5 years of CPSC research, standards development work is about to begin. Working groups being formed under both UL (electric ranges) and ANSI Z21 (gas ranges) procedures

Home Wiring

- Updated CPSC materials being distributed to all state fire marshals, state electrical authorities, and CPSC contacts at the state level
- Will offer to meet with state fire officials in states with the highest fire death rates to share CPSC knowledge
- Activity partially funded by USFA

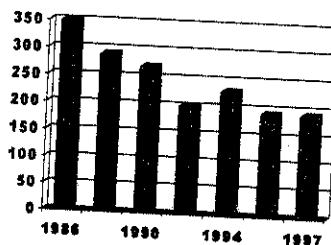
Clothes Dryers

- CPSC staff completed 2 year study of fire risks. Recommended raising the level of expectation for dryer performance under conditions of inadequate venting and maintenance
- Initiated contact with standards developers for both electric (UL) and gas (ANSI Z21) models
- Meeting with ANSI Z21 subcommittee in June

Ways ACES Could Help

- UL's New Standards Development Process
 - Standards Technical Panels (consensus bodies rep users, consumers, industry & gen int) open, balanced, per ANSI procedures
 - ACES members could get involved
- Home Wiring
 - Recommend AFCIs for existing homes, especially when upgrading service equipment
 - Encouraging electrical inspections per NFPA 73 for older homes

Estimated Electrocutions Involving Consumer Products, 1986-1997



Estimated Residential Structure Fire Deaths, 1980-1997



Source: National Fire Protection Association