

CPSA 6 (b)(7) Cleared
No Min. Variables or
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LOG OF MEETING

SUBJECT: Carbon Monoxide Detectors
DATE: October 27, 1997
LOCATION: Sheraton North Shore Hotel
Northbrook, Illinois
LOG ENTRY SOURCE: Elizabeth Leland, EC
LOG ENTRY DATE: November 5, 1997

ATTENDEES:

CPSC

Elizabeth Leland, EC
Donald Switzer, ESEE

NON-CPSC

UL staff members

Members of the Underwriters Laboratories (UL) Inc. Industry
Advisory Group (IAG) on UL 2034 for CO Detectors

Visitors to the Meeting

(Specific names will be available when UL publishes the
Meeting Report approximately 20 working days after
October 27, 1997.)

SUMMARY OF MEETING:

The purpose of this meeting was to discuss various topics
related to the Underwriters Laboratories Inc. (UL) standard 2034
for carbon monoxide (CO) detectors. The specific topics discussed
were as follows: adopted changes to UL 2034 effective October 1,
1998; the accuracy of LCD displays on CO detectors; test gasses
for the selectivity test requirement; and manufacturing tests,
particularly those related to the long-term reliability of the
sensor.

In addition, UL received comments on the proposed changes to
UL 2034, and those comments raised the following items for
discussion: changing the requirement of the high humidity
performance test from 95 percent to 90 percent; the amount of
time allowed for an alarm to recover between sequential tests;
the use of visual displays as warning signals; the type of



abbreviation used in the date code; a change in the normal operation test to require exposure to 400 ppm rather than 600 ppm CO; the removal of the paragraph in the instructions which contains information about the Occupational Safety and Health Administration (OSHA) acceptable CO level; the use of a modified version of the Coburn-Forster-Kane model for determining carboxyhemoglobin levels; the standardization of visual alarm signals; battery back-up for all AC products, and the appropriateness of 2.5 - 4.0 failures for reliability.

An additional item -- applicability of various sections of UL 2034 to recreational vehicles -- was added to the agenda and discussed by the attendees.

Each of the above topics was discussed and a consensus or summary reached. UL will prepare a meeting report which will describe the comments made by attendees about the above items; the meeting report will be available in 20 working days. UL will request comments on the meeting report. For more information about the meeting or the meeting report, contact Paul Patty, Associate Managing Engineer, Underwriters Laboratories Inc., 333 Pfingsten Road, Northbrook, Illinois 60062-2096, 847-272-8800.