United States
Consumer Product Safety Commission

MEETING LOG

SUBJECT: **UL 2075 STP - Gas and Vapor Detectors and Sensors**

OP PLAN ENTRY: Carbon Monoxide (CO) Alarms

DATE OF MEETING: 1/30/2026

LOCATION OF MEETING: Virtual

CPSC STAFF FILING MEETING LOG: Matt Brookman (LSM)

FILING DATE: 2/2/2026

CPSC ATTENDEE(S): Matthew J. Brookman (LSM)

NON-CPSC ATTENDEE(S): Contact SDO for the full attendee list.

Summary of Meeting:

The task group for low-level CO monitoring devices convened to determine the requirements for low-level CO monitors. The focus of this meeting was to evaluate the specifications of existing products on the market and identify effective requirements.

Key Discussion Points:

- **Alerting Requirements**
  The task group discussed requirements for low-level and high-level CO concentration activation, including acceptable ranges for both levels. Some members agreed to permit instantaneous and time-weighted average activation requirements. The lower-level activation point may be adjustable up to a specified limit for either instantaneous or time-weighted average concentrations. CPSC staff proposed an upper limit for low-level activation of 70 ppm instantaneous and 70 ppm for 60 minutes, time-weighted average. These values align with the conservative side of the thresholds for activation in *UL 2034, Standard for Single and Multiple Station Carbon Monoxide Alarms*. Features such as silencing, vibration, lights, and audible signals were also discussed.

  Members also discussed accuracy requirements. These requirements are constrained by the expected functional life of the alarms, as well as any calibration requirements. Members agreed that it is not reasonable to expect consumers to regularly calibrate these devices. The discussion included thresholds for accuracy between 10 % and 30 %, based on current sensor performance.

- **Power Supply**
  Members discussed requirements for power supplies such as sealed non-replaceable batteries,

rechargeable batteries, and replaceable batteries. The consensus was to require sealed non-replaceable, non-rechargeable batteries.

- **End-of-Life Signaling**
  The task group evaluated end-of-life (EOL) signals from existing products and discussed potential requirements. For the CO sensor EOL signal, CPSC proposed an intermittent audible chirp, as well as permitting flashing lights and a display indicating EOL. Additionally, a countdown to EOL may be displayed to provide early notification. An EOL for the battery would be permitted, along with a trouble signal if a self-diagnostic determines a problem.

- **Display Requirements**
  The group agreed on several display requirements. Displays would be required to have a minimum of 3 digits for CO concentration. A deadband limit of 5 ppm would be permitted to address possible sensor drift over the life of the device. The task group agreed that the display would be permitted to indicate concentration at any level, as well as time to EOL.

Next Steps:

- Members will meet to continue this discussion.
- The date for the next task group meeting is to be determined.