



MEETING LOG

SUBJECT: ANSI/CSA FURNACE TECHNICAL SUBCOMMITTEE (TSC) WORKING GROUP (WG) MEETING ON DECEMBER 19, 2024, RE. RFC #23

FY 24 OP PLAN ENTRY: Gas Appliances - CO Sensors

DATE OF MEETING: 12/19/2024

LOCATION OF MEETING: Virtual

CPSC STAFF FILING MEETING LOG: Ronald A. Jordan

FILING DATE: 12/20/2024

CPSC ATTENDEE(S): Ronald Jordan, ESMC

NON-CPSC ATTENDEE(S): Contact babak.owlam@csagroup.org for the full attendee list.

Summary of Meeting:

The furnace working group (WG) met to discuss Request for Change (RFC) #23 to ANSI Z21.47- ed. 9, Standard for Gas-fired central furnaces. RFC #23 is a proposed performance and safety provision that would require a carbon monoxide (CO) detection device (i.e., sensor) to be mounted on the ambient side of a gas furnace.

The WG discussed the following action items:

Action 4 – The WG discussed the triggering CO threshold to activate the CO detection device and shutdown a furnace. It was discussed that the triggering threshold should be at or below the lowest threshold for CO alarms (i.e., 70 ppm). Staff suggested that the WG consider using a 70-ppm upper threshold and 30 ppm lower threshold as placeholders until validation testing can be completed and determination could be made whether those CO levels or other levels would be appropriate.

It was mentioned that a new requirement was recently approved at the TSC/TC level requiring installers to confirm that at least one working CO alarm was installed in the residence at the time of the new furnace installation. If not, the installer must install a CO alarm. This requirement will be effective in 2027.

Action 15 - Staff told the group it will strive to have reviewed IDIs to determine whether residential or commercial furnaces were involved in CO incidents that occurred in hotels/motels by the 02/06/25 meeting.

Additional Business - The WG chair drafted a preliminary validation criterion and presented highlights of it with the group. The draft validation criteria will be distributed to the WG for review and comment.



United States
Consumer Product Safety Commission

The next series of meetings are scheduled for the following dates: 01/09/25, 01/16/25, 01/23/25, 01/30/25, and 02/06/25.

The meeting adjourned at 12:30 pm est.

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