



MEETING LOG

SUBJECT: *Underwriters Laboratories (UL) Arc-Fault Circuit Interrupter (AFCI) Interoperability Task Group (TG) Meeting*

FY 25 OP PLAN ENTRY: National Electrical Code

DATE OF MEETING: October 10, 2024

LOCATION OF MEETING: virtual

CPSC STAFF FILING MEETING LOG: Douglas Lee, Office of Risk Reduction (EXRR)

FILING DATE: 11/14//24

CPSC ATTENDEE(S): Douglas Lee (EXRR)

NON-CPSC ATTENDEE(S):

Marina Currie, UL TG Secretary

Fred Reyes, UL Solutions

Hai Jiang, UL Solutions

UL AFCI TG members and guests

Please contact UL Project Manager for a list of attendees

Summary of Meeting:

The TG was formed in July 2024 to ensure that AFCIs operate to detect arcing faults while not tripping on electrical noise emitted from appliances. CPSC staff have supported the development of AFCI technology to mitigate fire risks and want to ensure that they are effective. The TG intends to meet biweekly until recommendations are proposed.

1. Marina Currie informed the task group about a group website for sharing information with the TG.
2. Hai Jiang (UL Solutions) reviewed some of the suggested academic papers. The TG discussed some other relevant papers on arcing and the need to compare AC and DC arcing.
3. Hai Jiang discussed the need for a test plan. The TG discussed current models for interoperability tests. The test plan is on hold until it can be decided what to test.
4. Fred Reyes (UL Solutions) reopened the discussion on previous proposals for UL 1699 and provided supporting materials.



United States
Consumer Product Safety Commission

Next Steps: Staff will continue to monitor and participate in UL TG and related *National Electrical Code* standards work. Staff will also review proposals when they are distributed for ballot or comment.