United States
Consumer Product Safety Commission

MEETING LOG

SUBJECT: ASTM F15.49 Subcommittee Task Group (TG) for *F3698* Computer Vision (CV) Pool Detection

OP PLAN ENTRY: Pools, Portable Unprotected (Child Drowning)

DATE OF MEETING: 5/29/2025

LOCATION OF MEETING: Virtual

CPSC STAFF FILING MEETING LOG: Simon Lee, ESEF

FILING DATE: 6/30/2025

CPSC ATTENDEE(S): Doug Lee and Susan Bathalon EXRR, Simon Lee, ESEF

NON-CPSC ATTENDEE(S): Contact Molly Lynak, ASTM or Brett Horn, F15.49 TG Lead, for the full attendee list.

Summary of Meeting:
The TG met to address the negative ballot for the proposal for *ASTM F3698-24: Standard Specification for Computer-Vision (CV) Drowning Detection Systems for Residential Swimming Pools*. There was discussion of the history of *F3698's* initial development that the standard could be originally intended for international usage and not repeat other standard's requirements. The TG will further develop wording and have further discussions on those points. And some of the TG participants shared they thought the *F3698* was originally already ready for publication.

A TG manufacturer member stated their product was mainly an outside-the-pool CV pool detection system. That TG manufacturer also stated it was challenging for initial use of the in the pool safety standards requirements, but they are flexible for what can be needed to sell their product in the U.S. as their product is currently already internationally sold. Staff shared that *F3698* should be flexible enough to address broad locations of the computer vision pool detection system electronics, in the pool and at wet locations. Staff expressed that *F3698*'s performance requirements' scrutiny is important as this technology is relatively new for pool alarms since it uses novel computer vision/machine learning and connectivity or Internet of Things technology. Other topics discussed were that the previous pool alarms such as the flotation alarm devices were battery powered and had different electrical requirements. A TG member discussed that CV drowning detection systems are required to alert the user if it is no longer functional. And the TG discussed the need for a low voltage definition.

Staff shared the National Electrical Code (NEC) low voltage definition for possible use and the TG agreed on using a truncated 30 VDC and 15 VAC low voltage definition. The TG discussed deleting the Canadian Standards Association (CSA) reference and adding other local electrical codes to address international installations. A TG member preferred to use UL 676 over UL 1241 for specific water tightness/leakage tests. The TG chair requested that staff provide a summary of the requirements discussed to facilitate the next meeting.

Next Steps:
Staff will circulate the updated proposed electrical requirements. The progress of the electrical TG will be reported to the larger TG in the upcoming June 9th, 2025, meeting.