



MEETING LOG

SUBJECT: ASTM F15.22 Battery Operated Toys Working Group

FY 24 OP PLAN ENTRY: Batteries, Ingestion (Button)

DATE OF MEETING: 2/13/2024

LOCATION OF MEETING: Virtual

CPSC STAFF FILING MEETING LOG: Daniel Taxier (ESMC)

FILING DATE: 3/19/2024

CPSC ATTENDEE(S): Daniel Taxier (ESMC), Benjamin Mordecai (LSM), Jill Hurley (ESHF)

NON-CPSC ATTENDEE(S): Contact ASTM for attendee list.

Summary of Meeting:

The working group met to discuss CPSC staff's proposal to update the performance requirements for toys using button cell or coin batteries in ASTM F963 *Standard Consumer Safety Specification for Toy Safety*, based on the protocols in UL 4200A *Standard for Safety for Products Incorporating Button Batteries or Coin Cell Batteries*. The working group primarily discussed the proposed impact test, in which a steel ball is dropped or swung onto the battery compartment to produce 2 J (1.5 ft-lbf) of impact energy. Some participants were interested in exploring whether the ball used for the impact test for toys that cover the face could be used. Staff replied that based on the difference in mass between the two balls, using the ball for the impact test for toys that cover the face would require a significant drop height. Staff also noted that many test laboratories preparing to do testing for 16 C.F.R. part 1263 would have the equipment to perform the test as written in UL 4200A.

Staff discussed testing of a toy product that had failed the impact test when tested in accordance with a previous version of UL 4200A. Participants asked for descriptions of the product and how it failed. Staff reported that the product was small; staff will review test notes and clarify how the product failed at a future meeting.

The working group proposed to perform round robin testing of the impact test, but to limit the scope of the test based on product weight (similar to how the drop test is handled). Two task group members will develop a draft test protocol to be presented to the working group at a future meeting.

Next Steps:

The next task group meeting will be scheduled at a future date, pending completion of a draft test protocol.