

## **LOG OF MEETING**

### **DIRECTORATE FOR ENGINEERING SCIENCES**

**SUBJECT:** ASTM F15.58 WK70724 Commercial Electric-Powered Scooters for Adults Working Group Meeting

**DATE OF MEETINGS:** April 26, 2021

**LOCATION:** Teleconference

**LOG ENTRY SOURCE:** Lawrence Mella

**COMMISSION ATTENDEE(S):** Lawrence Mella, Jay Kadiwala

**NON-COMMISSION ATTENDEES:** Contact ASTM for attendee list

#### **SUMMARY OF MEETING:**

Background: ASTM WK70724 is a new draft voluntary standard for commercial electric-powered scooters for adults. It was formed in January 2020 and CPSC staff are active participants of this task group. A working group within the task group was formed to develop the electrical requirements for the new standard.

Summary: A new working group chair was introduced. The group discussed the IP rating of the electrical components on the e-scooter. Working group members agree that industry uses an IP67 rating, which should protect against shallow submersion like an e-scooter knocked over into a puddle. CPSC staff and other members brought up the situation of an e-scooter submerged in larger bodies of water. Working group members believed the e-scooter should still be safe for a technician to examine and evaluate after the e-scooter is collected out of the water. The working group discussed prevention of jerking/jolting motion after a motor is cutoff for overheating. CPSC staff agreed that once electrical fail safes are activated, the e-scooter should not suddenly stop or become unstable.

Next Steps: The working group will continue to work on the electrical requirements for e-scooters by analyzing electrical requirement deficiencies for e-scooters that the broader UL standard does not cover.