

LOG OF MEETING

DIRECTORATE FOR ENGINEERING SCIENCES

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

DATE OF MEETINGS: December 02, 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: The working group discussed the requirement for the e-scooters to conform to the requirements outlined in UL and IEC standards. The group discussed including an ingress protection (IP) rating of IP67, which CPSC staff supported. The working group talked about removing lead acid battery venting requirement as vents expose components to water and most e-scooter use lithium ion batteries. The working group discussed wording for the exposure test requirements. Finally, the group talked about new ideas such as an anti-hacking and tampering requirements.

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.