

LOG OF MEETING

DIRECTORATE FOR ENGINEERING SCIENCES

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

DATE OF MEETINGS: November 5, 2021

LOCATION: Teleconference

LOG ENTRY SOURCE: Lawrence Mella

COMMISSION ATTENDEE(S): Lawrence Mella, Einstein Miller, Jay Kadiwala, and Stephen Harsanyi

NON-COMMISSION ATTENDEES: Contact ASTM for attendee list

SUMMARY OF MEETING:

Background: ASTM WK70724 is a draft new voluntary standard for commercial electric-powered scooters (e-scooters) for adults. It was formed in January 2020 and CPSC staff are active participants of this task group. The sub task group divided into smaller working groups to develop the requirements of specific sections.

Summary: The brake sub task group provided a status update on their draft requirements. The full task group discussed tamper resistant mechanical brakes and the specific brake test method variables such as speed, vehicle control, rider weight, and deceleration rate. The group discussed requiring the use of a hand lever brake because it is likely more well known by the general public. Staff agreed with requiring hand brakes because the rider's hands are likely already on the handlebars and hand brake levers are visible and commonly recognizable. Staff stated that emergency controls should not be ambiguous to the rider. The curb impact sub task group provided updates on their work. The group was focused on developing the curb impact test, specifically looking into center of gravity of the system and the speed at impact. A drafting committee was formed to help combine the work from all the sub task groups into one working draft document.

Next Steps: The next meeting will be planned for early 2022. The task group still wants to plan an in-person meeting to examine different e-scooters. Staff will continue participating in sub and main task group meetings and will join the new drafting committee.