

**LOG OF MEETING**  
**DIRECTORATE FOR ENGINEERING SCIENCES**

**SUBJECT:** ASTM F15.58 Subcommittee Meeting

**DATE OF MEETINGS:** May 09, 2024

**LOCATION:** Philadelphia, PA

**LOG ENTRY SOURCE:** Lawrence Mella

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

**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. The task group was formed in January 2020 and Consumer Product Safety Commission (CPSC) staff are active participants of this task group. The task group is divided into smaller working groups to develop the requirements of specific sections. ASTM WK57360 is a draft new voluntary standard for self-balancing scooters. This task group is focused on developing mechanical performance requirements for self-balancing scooters to complement requirements in UL 2272. The group was formed and CPSC staff are active participants of this task group.

**Summary:** The subcommittee met to discuss development of the draft adult commercial electric scooter standard (WK70724) and the draft self-balancing scooter standard (WK57360) and is interested in developing a new standard for electric powered balance bicycles.

*Standard Consumer Safety Specification for Commercial Electric-Powered Scooters for Adults (WK70724)*

The subcommittee discussed CPSC staff's recommendation for a brake stopping distance of 15 ft at 15 mph. CPSC staff explained that they explored brake distances of three different e-scooters and found the requirement to be reasonable based on the performance of the examined e-scooters. The subcommittee began discussing the warning labels and formed a task group to work on developing those requirements.

*Standard Consumer Safety Specification for Self-Balancing Scooters (WK57360)*

CPSC staff discussed the learning mode, low battery, and system shutdown requirements. Staff recommended both audible and tactile alerts when warning the user to slow down. The subcommittee discussed the marking and labeling requirements and revised the standard to follow ad-hoc language based on a negative comment.

### *Electric Powered Balance Bike*

CPSC staff explained the advanced notice of proposed rulemaking (ANPR) on e-bikes and recommended the subcommittee continue efforts in developing a standard for electric balance bikes. The subcommittee discussed the scope of the standard and discussed products and their uses. The subcommittee discussed the speed of the products on the market. CPSC staff explained to the subcommittee that the speed requirement would be a critical factor in the standard and the subcommittee would need to justify appropriate values.

**Next Steps:** Staff will continue participating in task and working group meetings to address negatives and comments in preparation for the draft standards to be balloted.