United States
Consumer Product Safety Commission

MEETING LOG

SUBJECT: Meeting with SKYX Platforms to discuss their electrical/mechanical attachment system for paddle fans and ceiling lighting

DATE OF MEETING: March 5, 2024

LOCATION OF MEETING: National Product Testing and Evaluation Center, Rockville, MD

CPSC STAFF FILING MEETING LOG: Andrew Trotta, Division of Electrical Engineering and Fire Sciences (ESEF)

FILING DATE: March 12, 2024

CPSC ATTENDEES:
Andrew Trotta, ESEF
Douglas Lee, Risk Management Group (RMG)
Einstein Miller, RMG
Hope Nesteruk, RMG

NON-CPSC ATTENDEE(S):
Mark Earley, Alumni Code Consulting Group
Patty Barron, SKYX COO
Eric Jacobson, SKYX Senior Product Standardization Advisor
Chuck Mello, cdcmello Consulting
Amy Cronin, Strategic Code Solutions (Call-in)
Dr. Tammy Gammon, Consultant (Call-in)

SUMMARY OF MEETING:
SKYX staff and its consultants gave an overview of their weight-supporting ceiling receptacle (WSCR) and weight-supporting attachment fitting (WSAF). The WSCR mechanically attaches to a fan outlet box and connects to the branch circuit wiring intended to supply the fixture; the WSCR for a fan is different than one for a light as it is rated to support more weight and the dynamic motion of a fan. The WSAF attaches electrically and mechanically to the fan or light fixture. The installer then snaps the fan or light fixture with the WSAF attached to the installed WSCR connecting the fixture mechanically and electrically to complete the installation. In a typical installation, the ceiling fan or light is wired to the branch circuit and mechanically connected to the ceiling fan box. This requires the installer to support the fixture while attaching the branch circuit wires to the fixture before securing the fixture to the outlet box. SKYX showed videos demonstrating that installing the WSCR is less challenging and time consuming, reducing time the installer spends on the ladder. SKYX claimed a number of benefits including reducing electrical hazards, reducing falls from ladders, and more mechanically-secure installations to reduce incidents of fixtures dropping from the ceiling. SKYX is offering fee-free licensing of their technology.

SKYX proposed a revision (Public Input No. 2484) to the 2026 edition of the *National Electrical Code* (*NEC*) to exclude all other installation methods; the WCSR and WSAF are recognized as acceptable installation methods in *NEC* Article 422.18(A). SKYX had used data from CPSC's National Electronic Injury Surveillance System (NEISS) as supporting rationale for their proposal. Their proposal was preliminarily rejected by NEC Code-making Panel (CMP) 17 at the First Draft meetings in January 2024. SKYX and CPSC staff discussed CPSC's databases, data collection methods and injury estimation methods. SKYX also requested staff support, for example by commenting on CMP 17's resolution of PI 2484. Staff agreed to consider.