

**LOG OF MEETING
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SUBJECT: ANSI C18 Subcommittee on Portable Cells and Batteries (Includes, General and Specifications and Safety Standards)

LOCATION: CPSC staff participated by teleconference

DATE: December 02 and 03, 2020

LOG ENTRY SOURCE: Huy Le, Division of Electrical Engineering and Fire Sciences (ESEF)

COMMISSION ATTENDEES:

Doug Lee, Office of Hazard Identification and Reduction (EXHR)
Huy Le, ESEF
Jay Kadiwala, ESEF
Jill Hurley, ESHF
Cheryl Scorpio, HS

NON-COMMISSION ATTENDEES:

Steven Wicelinski, Duracell, ANSI C18-0, Chair
Khaled Masri, NEMA Program Manager, ANSI C18 Secretary
Carin Stuart, Energizer, ANSI C18-6 Chair
Marc Boolish, Energizer, ANSI C18-4 Chair
Laurie Florence, Sub-Group Chair, UL LLC

Earnie Davis, Panasonic
Jody Leber, CSA Group
Doug Golde, Fisher-Price
Rodney Grimes, SGS North America
Ravi Vasudevan, Lansdowne Labs
Julio Posse, Sony
And others

MEETING SUMMARY:

During the two days of meetings, the subcommittee (SC) discussed various topics on general, specifications, and safety requirements for each ANSI C18 standard.

For warning labels for the packaging of non-lithium button cells, CPSC staff continues to support the "WARNING" signal word over using "CAUTION" as the signal word which is presently in the IEC 60086-5 proposed draft. "WARNING" is recommended in ANSI Z535.4 *American National Standard for Product Safety Signs and Labels* when serious injury or death is the possible outcome of not following the warning.

CPSC staff suggested that the serious injury and death data involving non-lithium button batteries provided by Dr. Jatana should be made available to the IEC committee since they are reviewing similar requirements in the IEC draft standard which may be used by the ANSI committee for ANSI C18.1 part 2.

Steve Wicelinski confirmed that the IEC TC 35 have already review the data provided by Dr. Jatana.

There was a discussion on tear strips of multi-cell lithium coin cell packaging to follow consumer packaging requirements since they are available through e-commerce. A request was received to extend the effective date to 2021Q2. The ANSI C18 Secretary would contact ANSI on potentially modifying the standard effective date although some requirements are not within the ANS requirements.

CPSC staff continue to support adding a recommended practices guide (ANSI C18-5, part 2) for designers of lithium-ion battery products to address the overheating and fires of lithium-ion battery products. The SC previously balloted on changing the scope and contents of ANSI C18.5 Part 2 from a standard on the safety of lithium ion cells and batteries to a guide on the safe design and use of lithium ion cells and batteries in devices. The information in the proposed guide was also reorganized to follow a design-based approach which is consistent with many IEC end-use device standards. Removing ANSI C18.5 Part 2 as an ANSI standard would also reduce confusion since there would be two ANSI approved standards. The SC continued to discuss the document as a technical report (TR) which would include design guidelines and cell manufacturing processes for developers of product which is currently not available.