

**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: February 12 and 13, 2020

LOG ENTRY SOURCE: Huy Le, ESEF

COMMISSION ATTENDEES: Doug Lee, EXHR
Huy Le, ESEF
Scorpio Cheryl, HSPP
Ferrante Jacqueline, HSPP
Jill Hurley, ESHF

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

Kris Jatana, MD, Nationwide Children's Hospital, Ohio State University
Charles Monahan, Panasonic
Jody Leber, CSA Group
Laurie Florence, UL LLC
Shima Hirotaka, Hitachi Maxell
Terao Yoshiki, TC 35 Chair, Panasonic
Doug Golde, Fisher-Price
Jeff Becker, Micropower Battery Co.
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.

During the meeting, the safety working group chair, Carin Stuart, provided a presentation of other "warnings" for other product ingestion hazards for comparisons to the non-lithium button battery ingestion warning. It was discussed that the chair will investigate and provide a table in the standard for the warning by cell chemistry. Energizer also provided a study of ingestion of zinc-air batteries that show to be less hazardous since they need air to activate. Dr. Jatana still supported including "death" as part of the

warning (as did CPSC staff) and provided an update on the data for SC to review. Dr. Jatana also had concern for zinc-air batteries placed in the ear and nose based on incident data. On lithium-ion battery safety, the SC is now considering revising C18.5-2 (Rechargeable lithium battery safety) to an application guide since there are other standards out there that are being used for certification. CPSC staff believe an application guide is needed to address battery safety and this was originally intended to go in an annex of the existing standard.

Contact Khaled Masri, Khaled.Masri@nema.org, for ANSI C18 minutes for other topics and attendees.