

**LOG OF MEETING
DIRECTORATE FOR ENGINEERING SCIENCES**

SUBJECT: ANSI C18 Safety and other Subcommittees on Portable Cells and Batteries

DATE OF MEETING: February 14, 2018

PLACE OF MEETING: Double Tree, Orlando, FL

LOG ENTRY SOURCE: Doug Lee, ESEE

COMMISSION ATTENDEES: Doug Lee, ESEE *

Rana Balci-Sinha*
Jacqueline Ferrante*
Jill Hurley*

NON-COMMISSION ATTENDEES:

Khaled Masri	NEMA, ANSI C18 Secretary
Steven Wicelinski	Duracell, C18-0 Chair
Carin Stuart	Energizer, ANSI C18-6 Chair
Charles Monahan	Panasonic
John Hadley	Spectrum Brands
Jeff Becker	Micro Power Battery Co.
Marcus Boolish	Energizer
Laurie Florence	UL LLC
Zekarias Bekele	CSA
David Grandin*	Bureau Veritas
Jeff Ortega	ZPower
Jody Leber	CSA
Akinori Awano	Battery Association of Japan (BAJ)
Hirohito Teraoko	FDK
Shima Hirotaka	Hitachi Maxell
Yoshiki Terao	TC 35 Secretary, Panasonic
Chris Brown	Duracell
Dennis Carpenter	Spectrum Brands
Andy Roszkowski	Spectrum Brands
Jeff Fisher	Spectrum Brands
Raj Desai	Apple
Kinoshita Masaaki	FDK
Takahiro Fujisaki	Maxell
Thomas O'Hara	Intertek
	And others

(*Online)

SUMMARY OF MEETING:

The ANSI C18 (1-6) subcommittees and C18-0 main committee met and discussed various items related to the revision of ANSI C18 standards, American National Standard(s) for Portable Primary and Rechargeable Cells and Batteries. Agenda items of significant CPSC safety interest are summarized below:

Mr. Lee continued the discussion on the CPSC amendment to the Commission's operating plan to take a look at lithium-ion battery hazards. Staff continues to seek input from industry to improve safety. Previously, the subcommittee discussed new information related to this topic and agreed to draft outlines for designers and manufacturers to use a systems approach when designing lithium-ion batteries into devices. CPSC staff supported adding this recommended guideline to an ANSI annex. A task group was formed to work on this effort.

Mr. Lee discussed the updated CPSC website link on battery voluntary standards work and recommendations to consumers: <http://www.cpsc.gov/Voluntary-Standards/Batteries>. The website contains a link to a summary report on CPSC activity related to the project, presentations, and training during the past year as well as consumer information on hoverboards, fidget spinners, laptops, and cell phones.

Previously, BAJ representatives made presentations on packaging. Presently, the ANSI C18 .3M Annex C, requirement for packaging of coin cells requires the Poison Prevention Packaging Act requirement (16 C.F.R §§ 1700.15(b) and 1700.20) to mitigate access to coin cells in packaging. The concern is that this method takes considerable time and cost to monitor and test with a group of children every time the packaging is changed. BAJ is seeking to add an alternative quantitative requirement for mechanical properties to Annex C. They recently established the child-resistant package guideline which specifies the mechanical tests and evaluation method (e.g. bending test, torsion test, tearing test and pushing test) for packaging. Introduction into the Japanese consumer market is targeted for March 2018 although some manufacturers started to introduce in April 2017. See: http://www.denchi.info/publication/packageguideline_en.pdf.

CPSC staff requested additional details on the testing requirements as the guideline did not have details. Additionally, the testing video referenced was also requested for CPSC staff review.

IEC TC 35 is presently circulating a draft of IEC 60086-4 Safety of Lithium Batteries with voting closing on March 16 and results to be discussed in Chile in May. The Keep Out of Reach icon and packaging test is in informative annexes.

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