

Subject 1594

January 27, 2017

SUMMARY OF TOPICS

The following changes in requirements to the Standard for Sewing and Cutting Machines, UL 1594, are being proposed:

Button Batteries

STP BALLOTS AND ALL COMMENTS DUE: February 27, 2017

UL's goal is to have no interest category comprise more than one-third of the STP membership balance. To improve the current balance for STP 1594, UL is looking for participants in the all categories *except* the Producer interest category. Definitions for these interest categories are available on the Standards STP Internet site:

<http://ulstandards.ul.com/develop-standards/participation/interest-categories/>

If you are interested in applying for STP 1594 membership or are aware of potential candidates for this STP, please contact the STP Project Manager, Wilbert Fletcher, Wilbert.fletcher@ul.com.

For your convenience in review, proposed additions to existing requirements are shown underlined and proposed deletions are shown ~~lined-out~~.

1. Button Batteries

RATIONALE

Proposal submitted by: Michelle Andersen, UL LLC

The National Capital Poison Center (NCPC) has reported an increase in the number of incidents involving small children ingesting small lithium batteries in the "button/coin" configuration. These incidents have led to injury and death due to the generation of hydroxide when the battery is in contact with saliva, causing perforations of the esophagus or other serious physiological damage in as little as two hours. The Pediatrics article "Preventing Battery Ingestions: An Analysis of 8648 Cases" indicates 92 percent of the batteries identified with serious injury or death over the last decade were 20 mm lithium coin cells.

The Standard for Products Incorporating Button Cell Batteries of Lithium and Similar Technologies, UL 4200A, First Edition, was published on February 10, 2015. This new horizontal standard is intended to promote consistency in requirements for appliances that may incorporate lithium or similar button/coin cells. These requirements reference UL 4200A in the end product standard making UL 4200A normative.

PROPOSAL

24.7 To reduce the risk of injury due to battery ingestion, the battery compartment of an appliance or any accessory, such as a wireless control, incorporating one or more coin cell batteries of lithium technologies shall comply with the Standard for Products Incorporating Button or Coin Cell Batteries of Lithium Technologies, UL 4200, if the appliance or any accessory:

- a) Is intended for use with one or more single cell batteries having a diameter of 32 mm (1.25 in) or less where the cell diameter is greater than its height; and
- b) The appliance is intended for household use.

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