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UL 60086-4

**STANDARD FOR SAFETY**

Primary Batteries – Part 4: Safety of  
Lithium Batteries

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UL Standard for Safety for Primary Batteries – Part 4: Safety of Lithium Batteries, UL 60086-4

First Edition, Dated May 22, 2015

### **Summary of Topics**

***The adoption of IEC 60086-4, the Standard for Primary Batteries – Part 4: Safety of Lithium Batteries (fourth edition, issued by the IEC September 2014) as a new IEC-based UL standard, UL 60086-4.***

The effective date for UL LLC will be announced through Industry File Review – Announcement Letter.

The new requirements are substantially in accordance with Proposal(s) on this subject dated February 13, 2015.

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**UL 60086-4**

**Standard For Safety For Primary Batteries – Part 4: Safety Of Lithium  
Batteries**

**First Edition**

**May 22, 2015**

This UL Standard for Safety consists of the First Edition.

Comments or proposals for revisions on any part of the Standard may be submitted to UL at any time. Proposals should be submitted via a Proposal Request in UL's On-Line Collaborative Standards Development System (CSDS) at <http://csds.ul.com>.

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## Preface (UL)

This UL Standard is based on IEC Publication 60086-4: fourth edition Primary Batteries – Part 4: Safety of Lithium Batteries issued September 2014. IEC 60086-4 is copyrighted by the IEC.

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## UL Effective Date

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## NATIONAL DIFFERENCES

There are five types of National Differences as noted below. The difference type is noted on the first line of the National Difference in the standard. The standard may not include all types of these National Differences.

**DR** – These are National Differences based on the **national regulatory requirements**.

**D1** – These are National Differences which are based on **basic safety principles and requirements**, elimination of which would compromise safety for consumers and users of products.

**D2** – These are national differences from IEC requirements based on existing **safety practices**. These requirements reflect national safety practices, where empirical substantiation (for the IEC or national requirement) is not available or the text has not been included in the IEC standard.

**DC** – These are National Differences based on the **component standards** and will not be deleted until a particular component standard is harmonized with the IEC component standard.

**DE** – These are National Differences based on **editorial comments or corrections**.

Each national difference contains a description of what the national difference entails. Typically one of the following words is used to explain how the text of the national difference is to be applied to the base IEC text:

**Addition / Add** - An addition entails adding a complete new numbered clause, subclause, table, figure, or annex. Addition is not meant to include adding select words to the base IEC text.

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