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Safety of primary lithium batteries

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Foreword

This Japanese Industrial Standard has been revised by the Minister of Economy, Trade and Industry through deliberations at the Japanese Industrial Standards Committee as the result of proposal for revision of Japanese Industrial Standard submitted by Battery Association of Japan (BAJ)/Japanese Standards Association (JSA) with a draft being attached, based on the provision of Article 12, paragraph (1) of the Industrial Standardization Act applied mutatis mutandis pursuant to the provision of Article 16 of the said Act. This edition replaces the previous edition (**JIS C 8513:2015**), which has been technically revised.

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Safety of primary lithium batteries

Introduction

This Japanese Industrial Standard has been prepared based on **IEC 60086-4** : 2019, Edition 5, with some modifications of the technical contents to reflect the unique condition in Japan.

The dotted underlines indicate changes from the corresponding International Standard. A list of modifications with the explanations is given in Annex JA.

1 Scope

This Standard specifies tests and requirements for primary lithium batteries to ensure their safe operation under intended use and reasonably foreseeable misuse.

NOTE 1 Primary lithium batteries herein refer to those of electrochemical systems of letters B, C, E, F, G, W and Y given in Table 1 of **JIS C 8500**.

NOTE 2 The International Standard corresponding to this Standard and the symbol of degree of correspondence are as follows.

IEC 60086-4 : 2019 *Primary batteries — Part 4 : Safety of lithium batteries* (MOD)

In addition, symbols which denote the degree of correspondence in the contents between the relevant International Standard and **JIS** are IDT (identical), MOD (modified), and NEQ (not equivalent) according to **ISO/IEC Guide 21-1**.

2 Normative references

The following standards contain provisions which, through reference in this text, constitute provisions of this Standard. The most recent editions of the standards (including amendments) indicated below shall be applied.

JIS C 8500 *Primary batteries — General*

NOTE Corresponding International Standard : IEC 60086-1 *Primary batteries — Part 1 : General*

JIS C 8515 *Primary batteries — Physical and electrical specifications*

NOTE Corresponding International Standard : IEC 60086-2 *Primary batteries — Part 2 : Physical and electrical specifications*

JIS Z 9101 *Graphical symbols — Safety colours and safety signs — Part 1 : Design principles for safety signs and safety markings*

NOTE Corresponding International Standard : ISO 3864-1 *Graphical symbols — Safety colours and safety signs — Part 1 : Design principles for safety signs and safety markings*