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Safety requirements for portable sealed secondary cells, and for batteries made from them, for use in portable applications — Part 2: Lithium systems

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In the event of any doubts arising as to the contents,
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Foreword

This Japanese Industrial Standard has been established by the Minister of Economy, Trade and Industry through deliberations at the Japanese Industrial Standards Committee according to the proposal for establishment 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. This Standard partially replaces **JIS C 8712** : 2015, which has been withdrawn.

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JIS C 62133 series consists of the following 2 parts under the general title *Safety requirements for portable sealed secondary cells, and for batteries made from them, for use in portable applications* :

Part 1: Nickel systems

Part 2: Lithium systems

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Safety requirements for portable sealed secondary cells, and for batteries made from them, for use in portable applications — Part 2 : Lithium systems

Introduction

This Japanese Industrial Standard has been prepared based on **IEC 62133-2 : 2017**, Edition 1, with some modifications of the technical contents to satisfy technical requirements of the safety standards for electrical appliances in Japan.

In this Standard, subclause numbers followed by a capital letter of Latin alphabet starting with “A” indicate that the subclause includes items not given in the corresponding International Standard.

The vertical lines on both sides and 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 requirements and tests for the safe operation of portable sealed secondary lithium cells and batteries, under intended use and reasonably foreseeable misuse.

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

IEC 62133-2 : 2017 *Secondary cells and batteries containing alkaline or other non-acid electrolytes — Safety requirements for portable sealed secondary cells, and for batteries made from them, for use in portable applications — Part 2 : Lithium systems* (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 6065 *Audio, video and similar electronic apparatus — Safety requirements*

JIS C 6950-1 *Information technology equipment — Safety — Part 1 : General requirements*

JIS C 8711 *Secondary cells and batteries containing alkaline or other non-acid electrolytes — Secondary lithium cells and batteries for portable ap-*