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(BAJ/JSA)

**Safety requirements for portable sealed  
secondary cells, and for batteries made  
from them, for use in portable  
applications — Part 1: Nickel systems**

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In the event of any doubts arising as to the contents,  
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## Contents

	Page
Introduction .....	1
1 Scope .....	1
2 Normative references .....	1
3 Terms and definitions .....	2
4 Parameter measurement tolerances .....	4
5 General safety considerations .....	5
5.1 General .....	5
5.2 Insulation and wiring .....	5
5.3 Venting .....	5
5.4 Temperature, voltage and current management .....	6
5.5 Terminal contacts .....	6
5.6 Assembly of secondary cells into secondary batteries .....	6
5.7 Quality plan .....	6
6 Test items and sample size .....	7
7 Specific requirements and tests .....	7
7.1 Charging procedure for test purposes .....	7
7.2 Intended use .....	8
7.3 Reasonably foreseeable misuse .....	10
8 Information for safety .....	12
8.1 General .....	12
8.2 Small secondary cell and battery safety information .....	13
9 Marking .....	14
9.1 Secondary cell marking .....	14
9.2 Secondary battery marking .....	14
9.3 Caution for ingestion of small secondary cells and batteries .....	14
9.4 Other information .....	15
10 Packaging .....	15
Annex A (informative) Recommendations to equipment manufacturers and battery assemblers .....	16
Annex B (informative) Recommendations to the end-users (consumers) .....	18
Annex C (informative) Packaging .....	20
Annex JA (informative) Comparison table between JIS and corresponding International Standard .....	21

## 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 This Standard partially replaces **JIS C 8712** : 2015, which has been withdrawn.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*

# Safety requirements for portable sealed secondary cells, and for batteries made from them, for use in portable applications — Part 1 : Nickel systems

## Introduction

This Japanese Industrial Standard has been prepared based on **IEC 62133-1 : 2017**, Edition 1, with some modifications of the technical contents for reflecting the local needs and situations 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 requirements and tests for the safe operation of portable sealed secondary cells and batteries of nickel cadmium batteries and nickel-metal hydride 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 62133-1 : 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 1 : Nickel 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 8705 *Secondary sealed nickel-cadmium cells and batteries for portable applications*

**NOTE** Corresponding International Standard : IEC 61951-1 *Secondary cells and batteries containing alkaline or other non-acid electrolytes — Secondary sealed cells and batteries for portable applications — Part 1 : Nickel-cadmium*

JIS C 8708 *Secondary sealed nickel-metal hydride cells and batteries for portable applications*

**NOTE** Corresponding International Standard : IEC 61951-2 *Secondary cells and*