

INTERNATIONAL STANDARD

NORME INTERNATIONALE



**Secondary cells and batteries containing alkaline or other non-acid electrolytes – Sealed nickel-metal hydride cells and batteries for use in industrial applications –
Part 2: Safety**

**Accumulateurs alcalins et autres accumulateurs à électrolyte non acide –
Accumulateurs étanches au nickel-métal hydrure destinés à l'utilisation dans
les applications industrielles –
Partie 2: Sécurité**



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INTERNATIONAL
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ICS 29.220.30

ISBN 978-2-8322-9132-0

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

**SECONDARY CELLS AND BATTERIES CONTAINING
ALKALINE OR OTHER NON-ACID ELECTROLYTES –
SEALED NICKEL-METAL HYDRIDE CELLS AND BATTERIES
FOR USE IN INDUSTRIAL APPLICATIONS –**

Part 2: Safety

FOREWORD

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The text of this International Standard is based on the following documents:

FDIS	Report on voting
21A/735/FDIS	21A/743/RVD

Full information on the voting for the approval of this International Standard can be found in the report on voting indicated in the above table.

This document has been drafted in accordance with the ISO/IEC Directives, Part 2.

A list of all parts in the IEC 63115 series, published under the general title *Secondary cells and batteries containing alkaline or other non-acid electrolytes – Sealed nickel-metal hydride cells and batteries for use in industrial applications*, can be found on the IEC website.

The committee has decided that the contents of this document will remain unchanged until the stability date indicated on the IEC website under "<http://webstore.iec.ch>" in the data related to the specific document. At this date, the document will be

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SECONDARY CELLS AND BATTERIES CONTAINING ALKALINE OR OTHER NON-ACID ELECTROLYTES – SEALED NICKEL-METAL HYDRIDE CELLS AND BATTERIES FOR USE IN INDUSTRIAL APPLICATIONS –

Part 2: Safety

1 Scope

This document specifies designations, tests and requirements for the safe operation of sealed nickel-metal hydride cells and batteries used in industrial applications excluding road vehicles.

When an IEC International Standard specifying test conditions and requirements for cells used in special applications is in conflict with this document, the former takes precedence (e.g. IEC 62675).

Since this document covers batteries for various industrial applications, it includes those requirements which are common and minimum to the various applications.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

IEC 60050-482, *International Electrotechnical Vocabulary – Part 482: Primary and secondary cells and batteries* (available at www.electropedia.org)

IEC 63115-1:2020, *Secondary cells and batteries containing alkaline or other non-acid electrolytes – Sealed nickel-metal hydride cells and batteries for use in industrial applications – Part 1: Performance*

ISO/IEC Guide 51, *Safety aspects – Guidelines for their inclusion in standards*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in IEC 60050-482, IEC 63115-1, ISO/IEC Guide 51, and the following apply.

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3.1

safety

freedom from unacceptable risk

[SOURCE: IEC 60050-903:2013, 903-01-19]