

Sekundaarelemendid ja -patareid, mis sisaldavad leeliselisi või teisi mittehappelisi elektrolüüte. Kantavad suletud taaslaetavad üksikelemendid. Osa 1: Nikkel-kaadmium

Secondary cells and batteries containing alkaline or other non-acid electrolytes - Portable sealed rechargeable single cells - Part 1: Nickel-cadmium

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

See Eesti standard EVS-EN 61951-1:2014 sisaldab Euroopa standardi EN 61951-1:2014 inglisekeelset teksti.	This Estonian standard EVS-EN 61951-1:2014 consists of the English text of the European standard EN 61951-1:2014.
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English Version

Secondary cells and batteries containing alkaline or other non-acid electrolytes - Portable sealed rechargeable single cells -
Part 1: Nickel-cadmium
(IEC 61951-1:2013)

Accumulateurs alcalins et autres accumulateurs à
électrolyte non-acide - Accumulateurs individuels portables
étanches - Partie 1: Nickel-cadmium
(CEI 61951-1:2013)

Akkumulatoren und Batterien mit alkalischen oder anderen
nichtsäurehaltigen Elektrolyten - Tragbare wiederaufladbare
gasdichte Einzelzellen - Teil 1: Nickel-Cadmium
(IEC 61951-1:2013)

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European Committee for Electrotechnical Standardization
Comité Européen de Normalisation Electrotechnique
Europäisches Komitee für Elektrotechnische Normung

CEN-CENELEC Management Centre: Avenue Marnix 17, B-1000 Brussels

Foreword

The text of document 21A/521/FDIS, future edition 3 of IEC 61951-1, prepared by SC 21A, Secondary cells and batteries containing alkaline or other non-acid electrolytes, of IEC TC 21, Secondary cells and batteries, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as EN 61951-1:2014.

The following dates were fixed:

- latest date by which the EN has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2014-11-16
- latest date by which the national standards conflicting with the EN have to be withdrawn (dow) 2016-11-19

This European Standard supersedes EN 61951-1:2003.

EN 61951-1:2014 includes the following significant technical changes with respect to EN 61951-1:2003:

- addition of several new cell sizes;
- introduction of a new cell type J;
- creation of Annex A: Capacity of batteries measurement.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN and CENELEC shall not be held responsible for identifying any or all such patent rights.

Endorsement notice

The text of the International Standard IEC 61951-1:2013 was approved by CENELEC as a European Standard without any modification.

In the official version, for Bibliography, the following notes have to be added for the standards indicated:

- | | | |
|------------------|------|--------------------------------|
| IEC 60051 series | NOTE | Harmonized in EN 60051 series. |
| IEC 61434 | NOTE | Harmonized as EN 61434. |

Annex ZA (normative)

Normative references to international publications with their corresponding European publications

The following referenced documents are indispensable for the application 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.

NOTE When an international publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60050-482	-	International Electrotechnical Vocabulary - Part 482: Primary and secondary cells and batteries	-	-
IEC 60086-1	-	Primary batteries - Part 1: General	EN 60086-1 ¹⁾	-
IEC 60086-2	-	Primary batteries - Part 2: Physical and electrical specifications	EN 60086-2 ²⁾	-
IEC 60410	-	Sampling plans and procedures for inspection by attributes	-	-
IEC 61959	-	Secondary cells and batteries containing alkaline or other non-acid electrolytes - Mechanical tests for sealed portable secondary cells and batteries	EN 61959	-
IEC 62133	-	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	EN 62133	-

¹⁾ EN 60086-1 is superseded by EN 60086-1:2011, which is based on IEC 60086-1:2011.

²⁾ EN 60086-2 is superseded by EN 60086-2:2011, which is based on IEC 60086-2:2011.

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SECONDARY CELLS AND BATTERIES CONTAINING ALKALINE OR OTHER NON-ACID ELECTROLYTES – PORTABLE SEALED RECHARGEABLE SINGLE CELLS –

Part 1: Nickel-cadmium

1 Scope

This part of IEC 61951 specifies marking, designation, dimensions, tests and requirements for portable sealed nickel-cadmium small prismatic, cylindrical and button rechargeable single cells, suitable for use in any orientation.

2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. 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 – Chapter 482: Primary and secondary cells and batteries*

IEC 60086-1, *Primary batteries – Part 1: General*

IEC 60086-2, *Primary batteries – Part 2: Physical and electrical specifications*

IEC 60410, *Sampling plans and procedures for inspection by attributes*

IEC 61959, *Secondary cells and batteries containing alkaline or other non-acid electrolytes – Mechanical tests for sealed portable secondary cells and batteries*

IEC 62133, *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*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in the IEC 60050-482 and the following apply.

3.1

nominal voltage

suitable approximate value of voltage used to designate or identify the voltage of a cell or a battery

Note 1 to entry: The nominal voltage of a sealed nickel-cadmium rechargeable single cell: 1,2 V

Note 2 to entry: The nominal voltage of a battery of n series connected cells is equal to n times the nominal voltage of a single cell.

[SOURCE: IEC 60050-482:2004, 482-03-31, modified – Addition of Notes 1 and 2 to entry.]