



ENTWURF OVE EN IEC 63338

Ausgabe: 2023-05-01

General guidance on reuse and repurposing of secondary cells and batteries (IEC 21A/831/CDV)

Hinweis:

Aufgrund von Stellungnahmen kann die endgültige Fassung dieser OVE-Norm vom vorliegenden Entwurf abweichen. Stellungnahmen (schriftlich) bis 2023-06-01 an den OVE.

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OVE Österreichischer Verband für Elektrotechnik
Eschenbachgasse 9, 1010 Wien
E-Mail: verkauf@ove.at
Internet: <http://www.ove.at>
Webshop: www.ove.at/webshop
Tel.: +43 1 587 63 73

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Erläuterungen zum Entwurf

Die von IEC SC 21A ausgearbeitete Internationale Norm wurde als Entwurf zu einer Europäischen Norm **EN IEC 63338** den CENELEC-Mitgliedern zur Abstimmung vorgelegt. Im Falle eines positiven Abstimmungsergebnisses im Sinne der CENELEC-Regeln wird dieser Entwurf zu einer EN führen.

Wie alle Mitgliedsorganisationen von CENELEC ist der OVE grundsätzlich verpflichtet, Europäische Normen in das nationale Normenwerk zu übernehmen und entgegenstehende Normen zurückzuziehen.

Der OVE legt hiermit diesen Entwurf eines europäischen Normungsdokumentes der Öffentlichkeit zur Information und Stellungnahme als OVE-Entwurf vor.

Da eine Übersetzung in die deutsche Sprache zu diesem Zeitpunkt noch nicht vorhanden ist, wird – um die von CENELEC vorgegebene Einspruchsfrist einzuhalten – die englischsprachige Fassung des IEC 21A/831/CDV zur Information und Stellungnahme vorgelegt.

Interessenten können das gegenständliche Dokument beim Österreichischen Verband für Elektrotechnik beziehen bzw. in den Text Einsicht nehmen.



21A/831/CDV

COMMITTEE DRAFT FOR VOTE (CDV)

PROJECT NUMBER: IEC 63338 ED1	
DATE OF CIRCULATION: 2023-03-24	CLOSING DATE FOR VOTING: 2023-06-16
SUPERSEDES DOCUMENTS: 21A/794/CD, 21A/804B/CC	

IEC SC 21A : SECONDARY CELLS AND BATTERIES CONTAINING ALKALINE OR OTHER NON-ACID ELECTROLYTES	
SECRETARIAT: France	SECRETARY: Mr Pierre Bourg
OF INTEREST TO THE FOLLOWING COMMITTEES: TC 21, TC 120	PROPOSED HORIZONTAL STANDARD: <input checked="" type="checkbox"/> Other TC/SCs are requested to indicate their interest, if any, in this CDV to the secretary.
FUNCTIONS CONCERNED: <input type="checkbox"/> EMC <input checked="" type="checkbox"/> ENVIRONMENT <input type="checkbox"/> QUALITY ASSURANCE <input checked="" type="checkbox"/> SAFETY	
<input checked="" type="checkbox"/> SUBMITTED FOR CENELEC PARALLEL VOTING <input type="checkbox"/> NOT SUBMITTED FOR CENELEC PARALLEL VOTING	
Attention IEC-CENELEC parallel voting <p>The attention of IEC National Committees, members of CENELEC, is drawn to the fact that this Committee Draft for Vote (CDV) is submitted for parallel voting.</p> <p>The CENELEC members are invited to vote through the CENELEC online voting system.</p>	

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Recipients of this document are invited to submit, with their comments, notification of

- any relevant patent rights of which they are aware and to provide supporting documentation,
- any relevant "in some countries" clauses to be included should this proposal proceed. Recipients are reminded that the enquiry stage is the final stage for submitting "in some countries" clauses. See AC/22/2007.

TITLE:

General guidance on reuse and repurposing of secondary cells and batteries

PROPOSED STABILITY DATE: 2026

NOTE FROM TC/SC OFFICERS:

During the WG6 October meeting held in San Francisco it was decided to circulate the 63338 CDV according to 21A/804B/CC

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

GENERAL GUIDANCE FOR REUSE AND REPURPOSING OF SECONDARY CELLS AND BATTERIES

FOREWORD

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International Standard IEC XXXXX has been prepared by subcommittee XX: TITLE, of IEC technical committee XX:XXX.

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

FDIS	Report on voting
XX/XX/FDIS	XX/XX/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.

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

- reconfirmed,
- withdrawn,
- replaced by a revised edition, or amended.
-

The National Committees are requested to note that for this document the stability date is 20XX..

THIS TEXT IS INCLUDED FOR THE INFORMATION OF THE NATIONAL COMMITTEES AND WILL BE DELETED AT THE PUBLICATION STAGE.

126

INTRODUCTION

127 Based on the principles of life cycle thinking (LCT) and environmentally conscious design (ECD),
128 secondary battery reuse and repurposing are means to reduce raw material consumption.
129 However, there are potential safety risks to be considered before reusing or repurposing a
130 battery. These should be thoroughly addressed before considering any kind of reuse or
131 repurposing operations. Further, all reused or repurposed batteries or sub-units of batteries
132 shall comply with all safety, transport and product testing at the same level as new battery
133 products (except tests requiring destructive sampling).

134 The primary purpose of this document is intended to provide: basic guidance on the
135 environmental aspects of reuse and repurposing of relevant cells and batteries; basic guidance
136 on safety risks for the reuse and repurposing of relevant cells and batteries; basic guidance on
137 original manufacturer caution statements on the applicability of a product for reuse or
138 repurposing; and useful information regarding reuse and repurposing and relevant cell and
139 battery regulations and standards to interested parties.

140 Additionally, various regions and countries are currently developing requirements and
141 regulations for the reuse and repurposing of secondary cells and batteries, especially those
142 used for the propulsion of electric road vehicles, after being extracted at their end of life. These
143 differing requirements and regulations could lead to technical or safety issues in the use of
144 these batteries. Thus, nations and regions can be assisted in setting up secondary battery reuse
145 and repurposing regulations from this aligned international standard.

146 The expected users of this document are: original manufacturers (including cell and battery or
147 application), qualified reuse and repurposed application manufacturers (e.g. with approval in
148 writing to reuse or repurpose from the original manufacturer); national, regional, and local
149 authorities that establish secondary battery reuse and repurposing regulations; and national,
150 regional, and local authorities that revise secondary battery reuse and repurposing regulations.

151 However, other stakeholders are not precluded from using this document.

152 National and regional standards, regulations and voluntary stewardship programs are given
153 priority in the matters covered in this document.

GENERAL GUIDANCE ON REUSE AND REPURPOSING OF SECONDARY CELLS AND BATTERIES

Scope

This document applies to the reuse and repurposing of secondary lithium ion and nickel metal-hydride cells and batteries after extraction from the application for which they were first placed on the market (hereafter “relevant cells and batteries”).

NOTE 1: This document does not permit reuse or repurposing of single cells or cell assemblies if battery lifetime traceability data are not recorded. See clause 4.

NOTE 2: Swappable batteries such as those used in e-scooters are removed and installed by the user (such as for charging) without conducting a safety assessment (such as battery lifetime traceability data assessment) as part of intended use, which is not considered reuse or repurposing.

NOTE 3: This document does not cover system component reuse and repurposing. The original manufacturer can be contacted to confirm suitability of components for reuse and repurposing

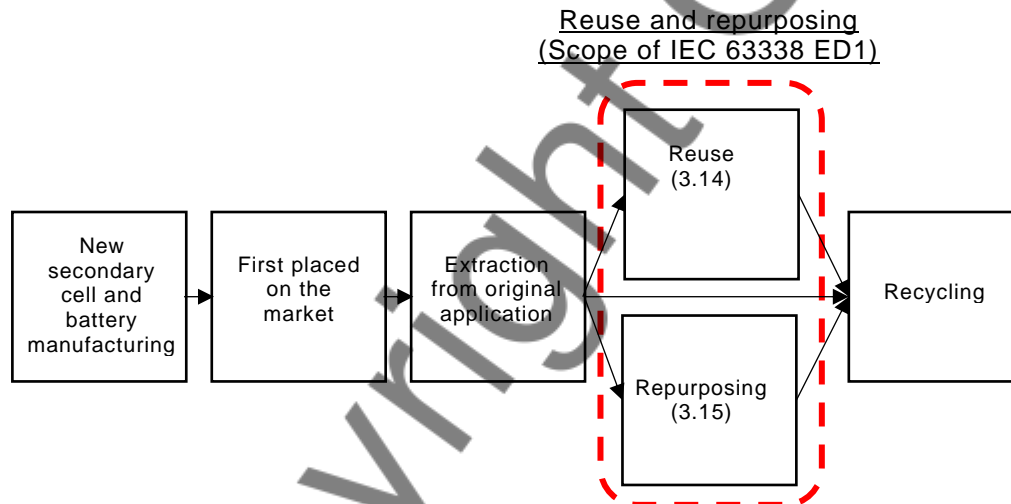


Figure 1 – Scope of IEC 63338 ED1

Normative references

There are no normative references in this document.