



National Standards Authority of Ireland

STANDARD

I.S. EN 61959:2004

ICS 29.220.99

**SECONDARY CELLS AND BATTERIES
CONTAINING ALKALINE OR OTHER
NON-ACID ELECTROLYTES - MECHANICAL
TESTS FOR SEALED PORTABLE
SECONDARY CELLS AND BATTERIES (IEC
61959:2004)**

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Údarás um Chaighdeán Náisiúnta na hÉireann

EUROPEAN STANDARD

EN 61959

NORME EUROPÉENNE

EUROPÄISCHE NORM

March 2004

ICS 29.220.99

English version

**Secondary cells and batteries containing alkaline
or other non-acid electrolytes –
Mechanical tests for sealed portable secondary cells and batteries
(IEC 61959:2004)**

Accumulateurs alcalins et autres
accumulateurs à électrolyte non acide -
Essais mécaniques pour accumulateurs
portables étanches
(CEI 61959:2004)

Akkumulatoren und Batterien mit
alkalischem oder anderen
nichtsäurehaltigen Elektrolyten -
Mechanische Prüfungen für tragbare
gasdichte Akkumulatoren und Batterien
(IEC 61959:2004)

This European Standard was approved by CENELEC on 2004-03-01. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration.

Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Central Secretariat or to any CENELEC member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CENELEC member into its own language and notified to the Central Secretariat has the same status as the official versions.

CENELEC members are the national electrotechnical committees of Austria, Belgium, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.

CENELEC

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

Central Secretariat: rue de Stassart 35, B - 1050 Brussels

Foreword

The text of document 21A/393/FDIS, future edition 1 of IEC 61959, 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 61959 on 2004-03-01.

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) 2004-12-01
- latest date by which the national standards conflicting
with the EN have to be withdrawn (dow) 2007-03-01

Annex ZA has been added by CENELEC.

Endorsement notice

The text of the International Standard IEC 61959:2004 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 61951-1	NOTE	Harmonized as EN 61951-1:2003 (not modified).
IEC 61951-2	NOTE	Harmonized as EN 61951-2:2003 (not modified).
IEC 61960	NOTE	Harmonized as EN 61960:2004 (not modified).

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 Where 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 60050-486	- ¹⁾	International Electrotechnical Vocabulary (IEV) Chapter 486: Secondary cells and batteries	-	-
IEC 60068-2-6	- ¹⁾	Environmental testing Part 2: Tests - Test Fc: Vibration (sinusoidal)	EN 60068-2-6	1995 ²⁾
IEC 60068-2-32	- ¹⁾	Part 2: Tests - Test Ed: Free fall	EN 60068-2-32	1993 ²⁾
IEC 60068-2-47	- ¹⁾	Part 2-47: Test methods - Mounting of components, equipment and other articles for vibration, impact and similar dynamic tests	EN 60068-2-47 + corr. June	1999 ²⁾ 2000

¹⁾ Undated reference.

²⁾ Valid edition at date of issue.

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