

Primary batteries — Summary of research and actions limiting risks to reversed installation of primary batteries

ICS 29.220.10

National foreword

This Published Document reproduces verbatim the text of IEC 61955:1998 which has the status of a Technical Report.

The UK participation in its preparation was entrusted to Technical Committee CPL/35, Primary cells and batteries, which has the responsibility to:

- aid enquirers to understand the text;
- present to the responsible international/European committee any enquiries on the interpretation, or proposals for change, and keep the UK interests informed;
- monitor related international and European developments and promulgate them in the UK.

A list of organizations represented on this committee can be obtained on request to its secretary.

Cross-references

The British Standards which implement international publications referred to in this document may be found in the BSI Standards Catalogue under the section entitled “International Standards Correspondence Index”, or by using the “Find” facility of the BSI Standards Electronic Catalogue.

A British Standard does not purport to include all the necessary provisions of a contract. Users of British Standards are responsible for their correct application.

Compliance with a British Standard does not of itself confer immunity from legal obligations.

Summary of pages

This document comprises a front cover, an inside front cover, the IEC title page, pages 2 to 11 and a back cover.

The BSI copyright notice displayed in this document indicates when the document was last issued.

This Published Document, having been prepared under the direction of the Electrotechnical Sector Committee, was published under the authority of the Standards Committee and comes into effect on 15 December 2000

© BSI 12-2000

Amendments issued since publication

Amd. No.	Date	Comments

ISBN 0 580 36758 4

TECHNICAL REPORT – TYPE 3

**IEC
61955**

First edition
1998-08

Primary batteries – Summary of research and actions limiting risks to reversed installation of primary batteries

Piles –

*Résumé des recherches et des mesures
de limitation des risques dus à l'installation de piles
avec polarité inversée*



Commission Electrotechnique Internationale
International Electrotechnical Commission
Международная Электротехническая Комиссия

CONTENTS

	Page
FOREWORD.....	3
Clause	
1 Scope.....	4
2 Reference documents	4
3 Background	4
4 General	5
4.1 Battery compartment guidelines	5
4.2 Clarification note to IEC 60086-1	5
4.3 Consumer information.....	5
4.4 Concentricity of the positive terminal.....	5
4.5 IEC 60086-5 – Product safety standard for primary batteries	5
5 Conclusion	6
Annex A (informative) Consumer information leaflet.....	7
Annex B (informative) Battery compartment guidelines.....	9

INTERNATIONAL ELECTROTECHNICAL COMMISSION

PRIMARY BATTERIES –

Summary of research and actions limiting risks to
reversed installation of primary batteries

FOREWORD

- 1) The IEC (International Electrotechnical Commission) is a worldwide organization for standardization comprising all national electrotechnical committees (IEC National Committees). The object of the IEC is to promote international co-operation on all questions concerning standardization in the electrical and electronic fields. To this end and in addition to other activities, the IEC publishes International Standards. Their preparation is entrusted to technical committees; any IEC National Committee interested in the subject dealt with may participate in this preparatory work. International, governmental and non-governmental organizations liaising with the IEC also participate in this preparation. The IEC collaborates closely with the International Organization for Standardization (ISO) in accordance with conditions determined by agreement between the two organizations.
- 2) The formal decisions or agreements of the IEC on technical matters express, as nearly as possible, an international consensus of opinion on the relevant subjects since each technical committee has representation from all interested National Committees.
- 3) The documents produced have the form of recommendations for international use and are published in the form of standards, technical reports or guides and they are accepted by the National Committees in that sense.
- 4) In order to promote international unification, IEC National Committees undertake to apply IEC International Standards transparently to the maximum extent possible in their national and regional standards. Any divergence between the IEC Standard and the corresponding national or regional standard shall be clearly indicated in the latter.
- 5) The IEC provides no marking procedure to indicate its approval and cannot be rendered responsible for any equipment declared to be in conformity with one of its standards.
- 6) Attention is drawn to the possibility that some of the elements of this International Standard may be the subject of patent rights. The IEC shall not be held responsible for identifying any or all such patent rights.

The main task of IEC technical committees is to prepare International Standards. In exceptional circumstances, a technical committee may propose the publication of a technical report of one of the following types:

- type 1, when the required support cannot be obtained for the publication of an International Standard, despite repeated efforts;
- type 2, when the subject is still under technical development or where for any other reason there is the future but no immediate possibility of an agreement on an International Standard;
- type 3, when a technical committee has collected data of a different kind from that which is normally published as an International Standard, for example "state of the art".

Technical reports of types 1 and 2 are subject to review within three years of publication to decide whether they can be transformed into International Standards. Technical reports of type 3 do not necessarily have to be reviewed until the data they provide are considered to be no longer valid or useful.

IEC 61955, which is a technical report of type 3, has been prepared by technical committee 35: Primary cells and batteries.

The text of this technical report is based on the following documents:

Committee draft	Report on voting
35/1030/CDV	35/1045/RVC

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

A bilingual version of this report may be issued at a later date.