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# INTERNATIONAL STANDARD

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**Primary batteries –  
Part 3: Watch batteries**

INTERNATIONAL  
ELECTROTECHNICAL  
COMMISSION

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### PRIMARY BATTERIES –

#### Part 3: Watch batteries

### FOREWORD

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International Standard IEC 60086-3 has been prepared by IEC technical committee 35: Primary cells and batteries, and ISO technical committee 114: Horology.

This third edition cancels and replaces the second edition (2004) and constitutes a technical revision.

The major technical changes with respect to the previous edition are the drawings, a review of the table of electrochemical systems and a harmonization of the marking clause with the other standards of the IEC 60086 series. Moreover, the table of the leakage levels was extended by adding drawings with better visualization.

This publication is published as a double logo standard.

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The text of this standard is based on the following documents:

FDIS	Report on voting
35/1286/FDIS	35/1289/RVD

Full information on the voting for the approval of this standard can be found in the report on voting indicated in the above table. In ISO, the standard has been approved by 8 P members out of 8 having cast a vote.

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

A list of all parts in the IEC 60086 series, under the general title: *Primary batteries*, can be found on the IEC website.

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

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- withdrawn;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

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

The contents of the corrigendum of September 2011 have been included in this copy.

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## INTRODUCTION

The technical content of this part of IEC 60086 provides specific requirements and information for primary watch batteries. This part was prepared through joint work between IEC TC 35 and ISO TC 114 to benefit primary battery users, watch designers and battery manufacturers by ensuring the best compatibility between batteries and watches.

This part will remain under continual scrutiny to ensure that the publication is kept up to date with the advances in both battery and watch technologies.

NOTE Safety information can be found in IEC 60086-4 and IEC 60086-5.

## PRIMARY BATTERIES –

### Part 3: Watch batteries

#### 1 Scope

This part of IEC 60086 specifies dimensions, designation, methods of tests and requirements for primary batteries for watches. In several cases, a menu of test methods is given. When presenting battery electrical characteristics and/or performance data, the manufacturer specifies which test method was used.

#### 2 Normative references

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.

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

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

IEC 60086-4:2007, *Primary batteries – Part 4: Safety of lithium batteries*

IEC 60086-5:-3, *Primary batteries – Part 5: Safety of batteries with aqueous electrolyte*

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

ISO 2859 (all parts), *Sampling procedures for inspection by attributes*

ISO 3951(all parts as applicable), *Sampling procedures for inspection by variables*

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1 To be published in 2011.

2 To be published in 2011.

3 To be published in 2011.