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AMENDMENT 1
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Amendment 1

**Electric toys –
Safety**

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International Electrotechnical Commission
Международная Электротехническая Комиссия

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FOREWORD

This amendment has been prepared by IEC technical committee 61: Safety of household and similar electrical appliances.

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

FDIS	Report on voting
61/2711/FDIS	61/2738/RVD

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

The committee has decided that the contents of the base publication and its amendments will remain unchanged until the maintenance result 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- withdrawn;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.

CONTENTS

Add the title of new Annex E as follows:

Annex E (normative) Toys incorporating lasers and light-emitting diodes

FOREWORD

In the list of differences existing in some countries, replace the text for 14.2 by the following:

- 14.2: The requirement that controls shall not be incorporated in the transformer applies to all toys (CENELEC countries, except Germany).

1 Scope

Add the following new paragraph after NOTE 2.

Additional requirements for **toys** incorporating **lasers** and **light-emitting diodes** are given in Annex E.

2 Normative references

Add, to the existing list, the following new standard:

IEC 60825-1:1993, *Safety of laser products – Part 1: Equipment classification, requirements and user's guide*
Amendment 1 (1997)
Amendment 2 (2001) including its corrigendum 1 (2002)¹

20 Toxicity and similar hazards

Replace the existing title of the clause by the following new title:

20 Radiation, toxicity and similar hazards

Add the following new annex:

Annex E (normative)

Toys incorporating lasers and light-emitting diodes

The following modifications to this standard are applicable for **toys** incorporating **lasers** and **light-emitting diodes**.

3 Definitions

3.6

laser

device that can be made to produce or amplify electromagnetic radiation in the wavelength range from 180 nm to 1 mm, primarily by the process of controlled stimulated emission

3.7

light-emitting diode (LED)

semiconductor PN junction device that can be made to produce electromagnetic radiation by radiative recombination in the semiconductor in the wavelength range from 180 nm to 1 mm

NOTE The optical radiation is produced primarily by the process of spontaneous emission, but some stimulated emission may be present.

5 General conditions for the tests

5.2 The tests of this annex may be carried out on separate **toys** after the preconditioning of 5.15.

20 Radiation, toxicity and similar hazards

Toys shall not emit harmful radiation.

¹ There exists a consolidated edition 1.2 (2001) that includes edition 1 and its amendments 1 and 2.