

INTERNATIONAL STANDARD

NORME INTERNATIONALE

BASIC SAFETY PUBLICATION

PUBLICATION FONDAMENTALE DE SÉCURITÉ

Fire hazard testing –

Part 4: Terminology concerning fire tests for electrotechnical products

Essais relatifs aux risques du feu –

Partie 4: Terminologie relative aux essais au feu pour les produits électrotechniques



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INTERNATIONAL ELECTROTECHNICAL COMMISSION

FIRE HAZARD TESTING –

**Part 4: Terminology concerning fire tests
for electrotechnical products**

FOREWORD

- 1) The International Electrotechnical Commission (IEC) is a worldwide organization for standardization comprising all national electrotechnical committees (IEC National Committees). The object of 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, IEC publishes International Standards, Technical Specifications, Technical Reports, Publicly Available Specifications (PAS) and Guides (hereafter referred to as "IEC Publication(s)"). 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. IEC collaborates closely with the International Organization for Standardization (ISO) in accordance with conditions determined by agreement between the two organizations.
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International Standard IEC 60695-4 has been prepared by IEC technical committee 89: Fire hazard testing.

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

FDIS	Report on voting
89/1098/FDIS	89/1112/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.

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

This fourth edition of IEC 60695-4 cancels and replaces the third edition issued in 2005. It constitutes a technical revision.

This standard has the status of a basic safety publication in accordance with IEC Guide 104 and ISO/IEC Guide 51.

The main changes with respect to the previous edition are listed below:

- The terms and definitions that are not specifically electrotechnical and that are either identical or equivalent to those in ISO 13943:2008 have been deleted.
- The terms and definitions that are specifically electrotechnical and that are in ISO 13943:2008 have been included for the convenience of the user.
- Some new terms have been included.

A list of all the parts in the IEC 60695 series, under the general title *Fire hazard testing*, can be found on the IEC website.

The following introductory elements represent a series of publications:

- Part 1: Guidance for assessing the fire hazard of electrotechnical products
- Part 2: Glowing/hot-wire based test methods
- Part 4: Terminology concerning fire tests for electrotechnical products
- Part 5: Corrosion damage effects of fire effluent
- Part 6: Smoke obscuration
- Part 7: Toxicity of fire effluent
- Part 8: Heat release
- Part 9: Surface spread of flame
- Part 10: Abnormal heat
- Part 11: Test flames

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.

FIRE HAZARD TESTING –

Part 4: Terminology concerning fire tests for electrotechnical products

1 Scope

The terms and definitions in this standard are applicable to fire tests for electrotechnical products.

This basic safety publication is intended for use by technical committees in the preparation of standards in accordance with the principles laid down in IEC Guide 104 and ISO/IEC Guide 51.

One of the responsibilities of a technical committee is, wherever applicable, to make use of basic safety publications in the preparation of its publications. The requirements, test methods or test conditions of this basic safety publication will not apply unless specifically referred to or included in the relevant publications.

2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

IEC Guide 104:2010, *The preparation of safety publications and the use of basic safety publications and group safety publications*

IEC 60050, *International Electrotechnical vocabulary*

ISO 13943:2008, *Fire safety – Vocabulary*

ISO/IEC Guide 51:1999, *Safety aspects – Guidelines for their inclusion in standards*

3 Terms and definitions

3.1 Use of the term “item”

For the purposes of this document, the English term “item” is used in a general meaning to represent any single object or assembly of objects, and may cover, for example, material, product, assembly, structure or building, as required in the context of any individual definition. If the “item” under consideration is a test specimen then the term “test specimen” is used.

3.2 Other terms and definitions

For the purposes of this document, the following terms and definitions apply.

NOTE Terms and definitions that are specifically electrotechnical and that are in ISO 13943:2008 have been included below for the convenience of the user.