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INTERNATIONAL STANDARD

colour inside

Fire hazard testing –
Part 4: Terminology concerning fire tests for electrotechnical products

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COMMISSION

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

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FIRE HAZARD TESTING –

Part 4: Terminology concerning fire tests for electrotechnical products

FOREWORD

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This redline version of the official IEC Standard allows the user to identify the changes made to the previous edition IEC 60695-4:2012. A vertical bar appears in the margin wherever a change has been made. Additions are in green text, deletions are in strikethrough red text.

International Standard IEC 60695-4 has been prepared by of IEC technical committee 89: Fire hazard testing.

This fifth edition cancels and replaces the fourth edition published in 2012. This edition constitutes a technical revision.

This edition includes the following significant technical changes with respect to the previous edition:

a) The terms and definitions that are not specifically electrotechnical and that are either identical or equivalent to those in ISO 13943:2017 have been deleted.
b) The terms and definitions that are specifically electrotechnical and that are in ISO 13943:2017 have been included for the convenience of the user.

The text of this International Standard is based on the following documents:

Draft	Report on voting
89/1462/CDV	89/1502/RVC

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

The language used for the development of this International Standard is English.

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

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

This document was drafted in accordance with ISO/IEC Directives, Part 2, and developed in accordance with ISO/IEC Directives, Part 1 and ISO/IEC Directives, IEC Supplement, available at www.iec.ch/members_experts/refdocs. The main document types developed by IEC are described in greater detail at www.iec.ch/standardsdev/publications.

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FIRE HAZARD TESTING –

Part 4: Terminology concerning fire tests for electrotechnical products

1 Scope

The terms and definitions in this part of IEC 60695 are applicable to fire tests for electrotechnical products.

This basic safety publication ~~is~~ focusing on safety guidance is primarily intended for use by technical committees in the preparation of ~~standards~~ safety publications 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 are referred to in the text in such a way that some or all of their content constitutes requirements 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 60050 (all parts), *International Electrotechnical vocabulary* (available at www.electropedia.org)

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

ISO 13943:~~2008~~2017, *Fire safety – Vocabulary*

IEC 60695-4

Edition 5.0 2021-06

INTERNATIONAL STANDARD

NORME INTERNATIONALE

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



IEC 60695-4:2021-06(en-fr)

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

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

ISO 13943:2017, *Fire safety – Vocabulary*

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COMMISSION ÉLECTROTECHNIQUE INTERNATIONALE

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ESSAIS RELATIFS AUX RISQUES DU FEU –

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

AVANT-PROPOS

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La Norme internationale IEC 60695-4 a été établie par le comité d'études 89 de l'IEC: Essais relatifs aux risques du feu.

Cette cinquième édition annule et remplace la quatrième édition parue en 2012. Cette édition constitue une révision technique.

Cette édition inclut les modifications techniques majeures suivantes par rapport à l'édition précédente:

a) Les termes et définitions qui ne concernent pas spécifiquement l'électrotechnique et qui sont soit identiques soit équivalents à ceux de l'ISO 13943:2017 ont été supprimés.
b) Les termes et définitions qui sont spécifiquement électrotechniques et qui figurent dans l'ISO 13943:2017 ont été inclus dans un souci de commodité pour l'utilisateur.

Le texte de cette Norme internationale est issu des documents suivants:

Projet	Rapport de vote
89/1462/CDV	89/1502/RVC

Le rapport de vote indiqué dans le tableau ci-dessus donne toute information sur le vote ayant abouti à son approbation.

La langue employée pour l'élaboration de cette Norme internationale est l'anglais.

Elle a le statut d'une publication fondamentale de sécurité conformément au Guide IEC 104 et au Guide ISO/IEC 51.

Une liste de toutes les parties de la série IEC 60695, publiées sous le titre général *Essais relatifs aux risques du feu*, se trouve sur le site web de l'IEC.

Les parties indiquées ci-dessous constituent une série de publications:

Partie 1: Guide pour l'évaluation des risques du feu des produits électrotechniques

Partie 2: Essais au fil incandescent/chauffant

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

Partie 5: Effets des dommages de corrosion des effluents du feu

Partie 6: Opacité des fumées

Partie 7: Toxicité des effluents du feu

Partie 8: Dégagement de chaleur

Partie 9: Propagation de flammes en surface

Partie 10: Chaleur anormale

Partie 11: Flammes d'essai

Ce document a été rédigé selon les Directives ISO/IEC, Partie 2, il a été développé selon les Directives ISO/IEC, Partie 1 et les Directives ISO/IEC, Supplément IEC, disponibles sous www.iec.ch/members_experts/refdocs. Les principaux types de documents développés par l'IEC sont décrits plus en détail sous www.iec.ch/standardsdev/publications.

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ESSAIS RELATIFS AUX RISQUES DU FEU –

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

1 Domaine d'application

Les termes et définitions définis dans la présente partie de l'IEC 60695 sont applicables aux essais au feu pour les produits électrotechniques.

La présente publication fondamentale de sécurité portant sur des recommandations de sécurité est avant tout destinée à être utilisée par les comités d'études dans le cadre de l'élaboration de publications de sécurité, conformément aux principes établis dans le Guide IEC 104 et le Guide ISO/IEC 51.

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IEC 60050 (toutes les parties), *Vocabulaire Électrotechnique International* (disponible à l'adresse www.electropedia.org)

Guide IEC 104*, Élaboration des publications de sécurité et utilisation des publications fondamentales de sécurité et publications groupées de sécurité*

Guide ISO/IEC 51, *Aspects liés à la sécurité – Principes directeurs pour les inclure dans les normes*

ISO 13943:2017, *Sécurité au feu – Vocabulaire*