

Australian Standard™

**Fire hazard testing**

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



This Australian Standard was prepared by Committee EL-053, Fire hazard testing—  
Electrotechnical equipment. It was approved on behalf of the Council of Standards  
Australia on 23 May 2006.  
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The following are represented on Committee EL-053:

Australian Electrical and Electronic Manufacturers Association  
Australian Information Industry Association  
Electrical Compliance Testing Association  
Electrical Regulatory Authorities Council  
Energy Networks Association

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

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## PREFACE

This Standard was prepared by the Standards Australia Committee EL-053, Fire hazard testing—Electrotechnical equipment to supersede AS/NZS 60695.4:2002 on publication.

The objective of this series of standards is to provide the electrotechnology industry and standards writing committees with a series of standards which give guidance on assessing the fire hazard of electrotechnical products.

This Standard is identical with, and has been reproduced from IEC 60695-4, Ed 3.0 (2005), *Fire hazard testing - Part 4: Terminology concerning fire tests for electrotechnical products*.

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## CONTENTS

	<i>Page</i>
1 Scope .....	1
2 Normative references .....	1
3 Terms and definitions .....	1
4 Index of terms .....	11

NOTES

## STANDARDS AUSTRALIA

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**Australian Standard****Fire hazard testing****Part 4: Terminology concerning fire tests for electrotechnical products**

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**1 Scope**

The terms and definitions defined in this standard are applicable to fire tests for electro-technical products.

One of the responsibilities of a technical committee is, wherever applicable, to make use of basic safety publications in the preparation of its publications.

**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 Guide 104:1997, *The preparation of safety publications and the use of basic safety publications and group safety publications*

ISO/IEC 13943:2000, *Fire safety – Vocabulary*

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

**3 Terms and definitions**

For the purposes of this document, the following terms and definitions apply. Some of the terms and definitions listed appear in ISO/IEC 13943.

**3.1****abnormal heat**

heat that is additional to that resulting from use under normal conditions, up to and including that which causes a fire situation

**3.2****acute toxicity**

ability of a substance to produce rapidly occurring adverse effects upon a living organism

**3.3****afterflame time**

the length of time during which an afterflame persists (also called duration of flaming)

**3.4****afterglow time**

the time length of during which an afterglow persists