

Australian Standard™

Fire hazard testing

Part 4: Terminology concerning fire tests for electrotechnical products

STANDARDS
Australia



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.
This Standard was published on 22 June 2006.

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

Keeping Standards up-to-date

Standards are living documents which reflect progress in science, technology and systems. To maintain their currency, all Standards are periodically reviewed, and new editions are published. Between editions, amendments may be issued. Standards may also be withdrawn. It is important that readers assure themselves they are using a current Standard, which should include any amendments which may have been published since the Standard was purchased.

Detailed information about Standards can be found by visiting the Standards Web Shop at www.standards.com.au and looking up the relevant Standard in the on-line catalogue.

Alternatively, the printed Catalogue provides information current at 1 January each year, and the monthly magazine, *The Global Standard*, has a full listing of revisions and amendments published each month.

Australian Standards™ and other products and services developed by Standards Australia are published and distributed under contract by SAI Global, which operates the Standards Web Shop.

We also welcome suggestions for improvement in our Standards, and especially encourage readers to notify us immediately of any apparent inaccuracies or ambiguities. Contact us via email at mail@standards.org.au, or write to the Chief Executive, Standards Australia, GPO Box 476, Sydney, NSW 2001.

This Standard was issued in draft form for comment as DR 06177.

Australian Standard™

Fire hazard testing

Part 4: Terminology concerning fire tests for electrotechnical products

Originally as AS/NZS 4695.4:1996.
Revised and redesignated AS/NZS 60695.4:2002.
Second edition revised and redesignated AS 60695.4—2006.

COPYRIGHT

© Standards Australia

All rights are reserved. No part of this work may be reproduced or copied in any form or by any means, electronic or mechanical, including photocopying, without the written permission of the publisher.

Published by Standards Australia GPO Box 476, Sydney, NSW 2001, Australia

ISBN 0 7337 7545 4

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*.

As this Standard is reproduced from an International Standard, the following applies:

- (a) Its number does not appear on each page of text and its identity is shown only on the cover and title page.
- (b) In the source text 'IEC 60695-4' should read 'AS 60695.4'.
- (c) A full point should be substituted for a comma when referring to a decimal marker.
- (d) Any French text on figures should be ignored.

The terms 'normative' and 'informative' are used to define the application of the annex to which they apply. A normative annex is an integral part of a standard, whereas an informative annex is only for information and guidance.

Any International Standard referenced should be replaced by an equivalent Australian Standard where one is available. The availability of equivalent Australian Standards can be determined either from the Standards Web Shop at www.standards.com.au or from the annual printed catalogue of Australian Standards.

CONTENTS

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

Currently in preview, click buy full version

Currently in preview, click buy full vers.

STANDARDS AUSTRALIA

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

1 Scope

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

One of the responsibilities of a technical committee is, wherever applicable, to take account 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