

AS/NZS 4695.1.1:1997
IEC 695-1-1:1995

Australian/New Zealand Standard®

**Fire hazard testing of
electrotechnical products**

**Part 1.1: Guidance for assessing
fire hazard of electrotechnical
products—General guidance**

[IEC title: Fire hazard testing, Part 1: Guidance for assessing fire
hazard of electrotechnical products—Section 1: General guidance]

AS/NZS 4695.1.1:1997

This Joint Australian/New Zealand Standard was prepared by Joint Technical Committee EL/2, Electrical Approvals Standards. It was approved on behalf of the Council of Standards Australia on 24 February 1997 and on behalf of the Council of Standards New Zealand on 28 March 1997. It was published on 5 May 1997.

The following interests are represented on Committee EL/2:

Association of Certification Bodies
Association of New Zealand Electrical Appliance Distributors
Australian Chamber of Commerce and Industry
Australian Electrical and Electronic Manufacturers Association
Consumer Electronics Supplies Association, Australia
Electrical regulatory authorities
Electrical test laboratories
Electricity Supply Association of Australia
Institute of Engineers Australia
Metal Trades Industry Association of Australia
Ministry of Commerce (Energy Inspection), New Zealand
New Zealand Manufacturers Federation

Review of Standards. To keep abreast of progress in industry, Joint Australian/New Zealand Standards are subject to periodic review and are kept up to date by the issue of amendments or new editions as necessary. It is important therefore that Standards users ensure that they are in possession of the latest edition, and any amendments thereto.

Full details of all Joint Standards and related publications will be found in the Standards Australia and Standards New Zealand Catalogue of Publications; this information is supplemented each month by the magazines 'The Australian Standard' and 'Standards New Zealand', which subscribing members receive, and which give details of new publications, new editions and amendments, and of withdrawn Standards.

Suggestions for improvements to Joint Standards, addressed to the head office of either Standards Australia or Standards New Zealand, are welcomed. Notification of any inaccuracy or ambiguity found in a Joint Australian/New Zealand Standard should be made without delay in order that the matter may be investigated and appropriate action taken.

AS/NZS 4695.1.1:1997

Australian/New Zealand Standard®

Fire hazard testing of electrotechnical products

Part 1.1: Guidance for assessing fire hazard of electrotechnical products—General guidance

First published as AS/NZS 4695.1.1:1997.

Incorporating:
Amdt 1—1997

PUBLISHED JOINTLY BY:

STANDARDS AUSTRALIA
1 The Crescent,
Homebush NSW 2140 Australia

STANDARDS NEW ZEALAND
Level 10, Radio New Zealand House,
155 The Terrace,
Wellington 6001 New Zealand

ISBN 0 7337 1147 2

PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee EL/2, Electrical Approvals Standards.

The objective of this Standard is to provide guidance to manufacturers and designers, testing laboratories and similar organizations to assess the fire hazard of electrotechnical products and for resulting development of fire hazard testing as related directly to harm to people, animals or property.

Products, as defined in this Standard, relate to materials, components or complete end products.

This Standard will be of interest to organizations concerned with the avoidance of risk of fire associated with buildings.

This Standard forms the first edition of AS/NZS 4695.1.1, *Fire hazard testing of electrotechnical products*, Part 1.1: *Guidance for assessing fire hazard of electrotechnical products—General guidance* including corrigendum. The Corrigendum is included by Amendment No. 1 to this Standard.

This Standard is identical to and reproduced from IEC 695-1-1:1995, *Fire hazard testing*, Part 1: *Guidance for assessing fire hazard of electrotechnical products*, Section 1: *General guidance*.

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 on the cover and title page only.
- (b) In the source text 'this International Standard' should read 'this Australian/New Zealand Standard'.
- (c) A full point substitutes for a comma when referring to a decimal marker.

The term 'informative' has been used in this Standard to define the application of the annex to which it applies. An 'informative' annex is only for information and guidance.

References to international Standards should be replaced by equivalent Australian or Joint Australian/New Zealand Standards as follows:

<i>Reference to International Standard or other publication</i>	<i>Australian or Australian/New Zealand Standard</i>
IEC	AS/NZS
Guide 104 Guide to the drafting of Safety Standards, and the role of Committees with safety pilot functions and safety group functions	—
695 Fire hazard testing	4695 Fire hazard testing of electrotechnical products
695-4 Part 4: Terminology concerning fire tests	4695.4 Part 4: Terminology concerning fire tests
ISO/IEC	
Guide 52 Glossary of fire—Terms and definitions	—

© Copyright — STANDARDS AUSTRALIA/STANDARDS NEW ZEALAND

Users of Standards are reminded that copyright subsists in all Standards Australia and Standards New Zealand publications and software. Except where the Copyright Act allows and except where provided for below no publications or software produced by Standards Australia or Standards New Zealand may be reproduced, stored in a retrieval system in any form or transmitted by any means without prior permission in writing from Standards Australia or Standards New Zealand. Permission may be conditional on an appropriate royalty payment. Australian requests for permission and information on commercial software royalties should be directed to the head office of Standards Australia. New Zealand requests should be directed to Standards New Zealand.

Up to 10 percent of the technical content pages of a Standard may be copied for use exclusively in-house by purchasers of the Standard without payment of a royalty or advice to Standards Australia or Standards New Zealand.

Inclusion of copyright material in computer software programs is also permitted without royalty payment provided such programs are used exclusively in-house by the creators of the programs.

Care should be taken to ensure that material used is from the current edition of the Standard and that it is updated whenever the Standard is amended or revised. The number and date of the Standard should therefore be clearly identified.

The use of material in print form or in computer software programs to be used commercially, with or without payment, or in commercial contracts is subject to the payment of a royalty. This policy may be varied by Standards Australia or Standards New Zealand at any time.

CONTENTS

	<i>Page</i>
INTRODUCTION	iv
Clause	
1 Scope	1
2 Normative reference	1
3 Definitions	1
4 Fire hazard assessment	2
4.1 General	2
4.2 Development of fire hazard assessment	2
5 Fire hazard tests	6
5.1 General	6
5.2 Hazard assessment	7
5.3 Types of fire hazard tests	7
5.4 Preparation of requirements and test specifications	8
Tables	
1 Common ignition phenomena in electrotechnical products	10
2 Terms specific to electrotechnical products used in this standard	11
Annex A – Flow charts	12
Bibliography	20

This is a free preview. Purchase the entire publication at the link below:

[Product Page](#)

-
- Looking for additional Standards? Visit Intertek Inform Infostore
 - Learn about LexConnect, All Jurisdictions, Standards referenced in Australian legislation
-