

Australian/New Zealand Standard™

**Common specifications for high-voltage  
switchgear and controlgear standards**

[Modified and including the full text of IEC 60694-1:1996]

## **AS/NZS 2650:2000**

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This Joint Australian/New Zealand Standard was prepared by Joint Technical Committee EL/7, Power Switchgear. It was approved on behalf of the Council of Standards Australia on 5 January 2000 and on behalf of the Council of Standards New Zealand on 20 March 2000. It was published on 7 April 2000.

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# Australian/New Zealand Standard™

## **Common specifications for high-voltage switchgear and controlgear standards**

Originated as AS 2650—1983.  
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## PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee EL/7, Power Switchgear, to supersede AS2650—1986, *High voltage a.c. switchgear and controlgear—Common requirements*.

The objective of this Standard is to state those specifications common to high-voltage switchgear and controlgear within the scope of the Standard.

This Standard is technically equivalent to IEC 60694:1996, *Common specifications for high-voltage switchgear and controlgear standards*. It has been reproduced from IEC 60694:1996 and varied as indicated to take account of Australian/New Zealand conditions.

Variations to IEC 60694:1996 are indicated at the appropriate places throughout this Standard. Strikethrough (~~example~~) identifies IEC tables, figures and passages of text which, for the purposes of this Australian/New Zealand Standard, are deleted. Where Australian/New Zealand tables, figures or passages of text are added, each is set in its proper place and identified by shading (example). Added figures are not themselves shaded, but are identified by a shaded border. A summary of these variations is given in Appendix ZZ.

A reference to an International Standard identified in the Normative References Clause or the informative bibliography (Annex G) by strikethrough (~~example~~) is replaced by a reference to the Australian or Australian/New Zealand Standard(s) listed immediately thereafter and identified by shading (example). Where the struck-through referenced document and the referenced Australian or Australian/New Zealand Standard are identical, this is indicated in parenthesis after the title of the latter.

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The terms 'normative' and 'informative' have been used in this Standard 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.

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## STANDARDS AUSTRALIA/STANDARDS NEW ZEALAND

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**1 General****1.1 Scope**

This International Standard applies to a.c. switchgear and controlgear, designed for indoor and outdoor installation and for operation at service frequencies up to and including 60 Hz on systems having voltages above 1000 V.

This standard applies to all high-voltage switchgear and controlgear except as otherwise specified in the relevant IEC standards for the particular type of switchgear and controlgear.

**1.2 Normative references**

The following normative documents contain provisions which, through reference in this text, constitute provisions of this International Standard. At the time of publication, the editions indicated were valid. All normative documents are subject to revision, and parties to agreements based on this International Standard are encouraged to investigate the possibility of applying the most recent editions of the normative documents indicated below. Members of IEC and ISO maintain registers of currently valid International Standards.

References to International Standards that are struck through in this Clause are replaced by references to equivalent Australian or Australian/New Zealand Standards that are listed immediately thereafter and identified by shading. Any Australian or Australian/New Zealand Standard that is identical to the International Standard it replaces is appropriately identified.

~~IEC 60038: 1983, IEC standard voltages~~

AS 60038, *Standard voltages*

~~IEC 60050(151): 1978, International Electrotechnical Vocabulary (IEV) — Chapter 151: Electrical and magnetic devices~~

AS 1852, *International Electrotechnical Vocabulary*  
AS 1852.151, *Part 151: Electric and magnetic devices*  
(Identical to IEC 60050(151):1978)