

Australian/New Zealand Standard™

**In-service safety inspection and  
testing—Repaired electrical equipment**



## **AS/NZS 5762:2011**

This Joint Australian/New Zealand Standard was prepared by Joint Technical Committee EL-036, In-service Testing of Electrical Equipment. It was approved on behalf of the Council of Standards Australia on 6 July 2011 and on behalf of the Council of Standards New Zealand on 21 July 2011. This Standard was published on 4 August 2011.

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The following are represented on Committee EL-036:

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Consulting Interests New Zealand  
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*This Standard was issued in draft form for comment as DR 5762.*

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Australian/New Zealand Standard™

**In-service safety inspection and  
testing—Repaired electrical equipment**

Originated as AS/NZS 5762:2005.  
Second edition 2011.

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## **REFERENCED DOCUMENTS**

Reference is made in this Standard to the following:

### **JOINT AUSTRALIAN/NEW ZEALAND STANDARDS**

AS/NZS 3551:2004	Technical management programs for medical devices
AS/NZS 3760:2010	In-service safety inspection and testing of electrical equipment
AS/NZS 4701:2000	Requirements for domestic electrical appliances and equipment for reconditioning or parts recycling
AS/NZS 5761:2011	In-service safety inspection and testing – Second-hand electrical equipment prior to sale

### **WEBSITES**

[www.act.gov.au](http://www.act.gov.au)  
[www.consumer.org.nz](http://www.consumer.org.nz)  
[www.deet.nt.gov.au/wha/pages/electrical](http://www.deet.nt.gov.au/wha/pages/electrical)  
[www.dol.govt.nz](http://www.dol.govt.nz)  
[www.energysafety.wa.gov.au](http://www.energysafety.wa.gov.au)  
[www.ess.govt.nz](http://www.ess.govt.nz)  
[www.esv.vic.gov.au](http://www.esv.vic.gov.au)  
[www.fairtrading.nsw.gov.au](http://www.fairtrading.nsw.gov.au)  
[www.justice.qld.gov.au](http://www.justice.qld.gov.au)  
[www.justice.tas.gov.au](http://www.justice.tas.gov.au)  
[www.recalls.gov.au](http://www.recalls.gov.au)  
[www.technicalregulator.sa.gov.au](http://www.technicalregulator.sa.gov.au)

## RELATED STANDARDS

The following Standards also contain useful information:

AS/NZS 3000:2007	Electrical installations (known as the Australian/New Zealand wiring rules)
AS/NZS 3001:2008	Electrical installations – Transportable structures and vehicles including their site supplies
AS/NZS 3002:2008	Electrical installations – Shows and carnivals
AS/NZS 3003:2011	Electrical installations – Patient treatment areas of hospitals, medical and dental practices and dialyzing locations
AS/NZS 3004.1:2008	Electrical installations – Marinas and recreational boats – Part 1: Marinas
AS/NZS 3004.2:2008	Electrical installations – Marinas and recreational boats – Part 2: Recreational boats installations
AS/NZS 3012:2010	Electrical installations – Construction and demolition sites
AS/NZS 3019:2007	Electrical installations – Periodic verification
AS/NZS 3100:2009	Approval and test specification – General requirements for electrical equipment
AS/NZS 3112:2004	Approval and test specification – Plugs and socket-outlets
AS/NZS 3190:2009	Approval and test specification – Residual current devices (current-operated earth-leakage devices)
AS/NZS 3191:2008	Electric flexible cords
AS/NZS 3199:2007	Approval and test specification – Cord extension sets
AS/NZS 3350.1:2002	Safety of household and similar electrical appliances – Part 1: General requirements
AS/NZS 4249:1994	Electrical safety practices – Film, video and television sites
AS/NZS 4763:2011	Safety of portable inverters
AS/NZS ISO 9000:2006	Quality management systems – Fundamentals and vocabulary
AS/NZS ISO 31000:2009	Risk management Standard – Principles and guidelines
AS/NZS 60335.1:2011	Household and similar electrical appliances – Safety – Part 1: General requirements
AS/NZS 61008.1:2004	Residual current operated circuit-breakers without integral overcurrent protection for household and similar uses (RCCBs) – Part 1: General rules
AS/NZS 61009.1:2004	Residual current operated circuit-breakers with integral overcurrent protection for household and similar uses (RCBOs) – Part 1: General rules

## **FOREWORD**

The objective of this Standard is to ensure, in Australia and New Zealand, the safety of the owner following the return of repaired equipment intended for connection to the electrical supply mains, by offering the repairer, competent person, regulatory, and similar agencies a regime for general safety inspection and testing. This includes not only electrical hazards but also other hazards such as non-working mechanical guards and cut-out devices.

This edition extends the information provided detailing the inspection and test action required for each item of electrical equipment individually.

## **OUTCOME STATEMENT**

AS/NZS 5762 will, by providing a regime for general safety inspection and testing, assist repairers of electrical equipment to confirm that the repaired equipment is safe to use. The Standard covers both electrical aspects of equipment and mechanical aspects such as guards and cut-outs.

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STANDARDS AUSTRALIA/STANDARDS NEW ZEALAND

**Australian/New Zealand Standard**  
**In-service safety inspection and testing –**  
**Repaired electrical equipment**

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## SECTION 1 SCOPE AND GENERAL

### 1.1 SCOPE

This Standard specifies requirements for the post-sale safety inspection and testing of low voltage single phase and poly-phase household and similar electrical equipment. This equipment is listed in Appendix A. AS/NZS 5762 covers electrical equipment which has been repaired or undergone service **maintenance** which could have affected electrical safety, and includes equipment intended for use in both domestic and workplace environments.

Equipment not intended for normal household use but which nevertheless may be a source of danger to the public, such as equipment intended to be used by laymen in shops, in light industry and on farms, are within the scope of this standard.

NOTE – Examples of such equipment are catering equipment, cleaning appliances for industrial and commercial use, and appliances for hairdressers.

### 1.2 EXCEPTIONS

#### 1.2.1

This Standard shall not apply where an item has been treated in accordance with the provisions of AS/NZS 4701.

#### 1.2.2

This Standard shall not apply to equipment whose nature is that of a medical device as defined in AS/NZS 3551.

#### 1.2.3

This Standard shall not apply to equipment which has been assessed only for purposes such as providing a quotation of **repair** costs, and not repaired. If the equipment can still be operated the tests in AS/NZS 3760 shall be applied before returning the equipment to its owner if the owner decides against proceeding with the **repair**.

### 1.3 INTERPRETATION

#### 1.3.1

The term 'informative' has been used in this Standard to define the application of the appendix to which it applies. An 'informative' appendix is provided for information and guidance, and may indicate good practice. Non-compliance with an informative appendix shall not be seen as non-compliance with the Standard.

#### 1.3.2

Words in **bold** in the text are defined in Clause 1.5 or in AS/NZS 3760.