

Australian/New Zealand Standard™

Marking of electrical and electronic products to indicate compliance with regulations

Part 2: Specific requirements for electrical safety regulatory applications



AS/NZS 4417.2:2009

This Joint Australian/New Zealand Standard was prepared by Joint Technical Committee QR-012, Conformance Marking to Regulatory Requirements. It was approved on behalf of the Council of Standards Australia on 14 October 2009 and on behalf of the Council of Standards New Zealand on 27 November 2009. This Standard was published on 11 December 2009.

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PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee QR-012, Conformance Marking to Regulatory Requirements, to supersede AS/NZS 4417.2:2001 on publication.

The objective of this Standard is to provide the basis for a uniform Australian/New Zealand regulatory compliance marking scheme primarily for electrical and electronic products (which may be extended to other classes of products in future).

This part of the Standard deals with electrical safety regulations in Australia and New Zealand. These regulations are undergoing a transition both in the means by which compliance is demonstrated, and in terms of harmonisation between Australia and New Zealand. To date in Australia, marking of products with the number of a certificate has been the usual means of indicating compliance. It is understood that electrical regulators will continue to accept such marking for a period, in parallel with the use of the RCM.

A1 | This Standard incorporates Amendment No. 1 (March 2010). The changes required by the amendment are indicated in the text by a marginal bar and amendment number against the clause, note, table, figure or part thereof affected. Where an application date other than immediate is applicable to an amendment the date of application (DOA) is indicated by the marginal bar against the part affected or by a footnote relating to the part affected.

AS/NZS 4417 is published in separate parts as follows:

- Part 1: General rules for use of the mark
- Part 2: Specific requirements for electrical safety regulatory applications
- Part 3: Specific requirements for electromagnetic compatibility regulatory applications
- Part 4: Specific requirements for radio apparatus regulatory applications

This revision updates aspects of the standard to make it more compatible with the current electrical safety regulatory requirements in Australia and New Zealand. It also includes consequential editorial changes and updates the regulatory definitions in Appendix B to align more closely with those enacted in legislation in Australia and New Zealand.

The terms 'normative' and 'informative' have been used in this Standard to define the application of the appendix to which they apply. A 'normative' appendix is an integral part of a Standard, whereas an 'informative' appendix is only for information and guidance.

Words in **bold** in the text are defined in clause 3.

AUSTRALIA/NEW ZEALAND STANDARD

Marking of electrical and electronic products to indicate compliance with regulations

Part 2: Specific requirements for electrical safety regulatory applications

1 SCOPE

This Standard specifies the requirements that apply to the use of the Regulatory Compliance Mark (RCM) on electrical and electronic products to indicate compliance with electrical safety regulations in Australia and New Zealand. It is applicable to low voltage electrical products and products used in low voltage installations, but does not apply to battery-powered products except those where the batteries are recharged in the product. It is intended to be read in conjunction with AS/NZS 4417.1, which specifies the RCM and sets out general rules for its use.

2 REFERENCED DOCUMENTS

The following documents are referred to in this Standard:

AS ISO/IEC

17050.1 Conformity assessment—Supplier's declaration of conformity—Part 1: General requirements

AS/NZS

3190 Approval and test specification—Residual current devices (current-operated earth-leakage devices)

3820 Essential safety requirements for electrical equipment

4417 Marking of electrical and electronic products to indicate compliance with regulations

4417.1 Part 1: General rules for the use of the mark

NOTE Additional Standards are referenced in Appendix B.

3 DEFINITIONS

For the purpose of this Standard, the definitions given in AS/NZS 4417.1 and those below apply. Appendix B gives regulatory definitions for specific products.

3.1

electrical regulator

government agency responsible for the application of electrical safety legislation in Australia or New Zealand

NOTE Contact details for **electrical regulators** may be obtained from the Electrical Regulatory Authorities Council website at www.erac.gov.au