

Australian/New Zealand Standard™

**Electrical installations—Marinas and  
boats**

**Part 1: Marinas**



## **AS/NZS 3004.1:2014**

This Joint Australian/New Zealand Standard was prepared by Joint Technical Committee EL-057, Boating and Boating Marinas Installations. It was approved on behalf of the Council of Standards Australia on 7 May 2014 and on behalf of the Council of Standards New Zealand on 6 June 2014. This Standard was published on 27 June 2014.

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The following are represented on Committee EL-057:

Australian Corrosion Association  
Australian Industry Group  
Boating Industries Alliance of Australia  
Electrical Contractors Association of New Zealand  
Electrical Regulatory Authorities Council  
Electrical Safety Organisation, New Zealand  
Energy Networks Association  
Marina Industries Association of Australia  
Marine Queensland  
New Zealand Marina Operators  
New Zealand Motor Caravan Association

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# Australian/New Zealand Standard™

## Electrical installations—Marinas and boats

### Part 1: Marinas

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PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee EL-057, Boating and Boating Marinas Installations, to supersede AS/NZS 3004.1:2008, *Electrical installations—Marinas and recreational boats*, Part 1: Marinas.

Compliance with this Standard may be required by legislation, from a date to be set by the relevant regulating authority.

This Standard is part of a series, which includes the following:

- AS/NZS
- 3004 Electrical installations—Marinas and boats
- 3004.1 Part 1: Marinas (this Standard)
- 3004.2 Part 2: Boat installations

The objective of this Standard is to specify safety requirements for electrical installations associated with marinas.

It is not the intention of this Standard to limit the introduction and use of emerging technologies. However, designers are reminded that it is essential that the basic tenets of electrical and marine safety be addressed before any other equipment and installation design elements are considered.

Any requirements that may be applicable in Australia only and New Zealand only are indicated in the text and by a symbol in the right margin as follows:

‘In Australia.....’



‘In New Zealand.....’



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

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## STANDARDS AUSTRALIA/STANDARDS NEW ZEALAND

**Australian/New Zealand Standard**  
**Electrical installations—Marinas and boats**

**Part 1: Marinas**

SECTION 1 SCOPE AND GENERAL

**1.1 SCOPE**

This Standard sets out requirements for electrical installations associated with marinas supplied by low-voltage a.c. supply systems (i.e. exceeding 50 V a.c. but not exceeding 1000 V a.c.).

The Standard includes requirements for electrical installations in marinas intended to supply electrical power to boats.

NOTE: The requirements for installations in boats are given in AS/NZS 3004.2.

This Standard includes requirements for the periodic inspection and testing of marinas.

**1.2 APPLICATION**

Electrical installations in marinas shall be carried out in accordance with AS/NZS 3000, except as varied herein, and with the applicable additional requirements of this Standard.

NOTE: The relevant electrical safety authority might choose to apply this Standard to other installations, e.g. mooring for facilities for commercial fishing boats.

The relevant electricity distributor may have additional requirements.

**1.3 REFERENCED DOCUMENTS**

The following documents are referred to in this Standard:

AS

2832 Cathodic protection of metals (series)

60529 Degrees of protection provided by enclosures (IP Code)

AS/NZS

3000 Electrical installations (known as the Australian/New Zealand Wiring Rules)

3004 Electrical installations—Marinas and boats

3004.2 Part 2: Boat installations

3112 Approval and test specification—Plugs and socket-outlets

3123 Approval and test specification—Plugs, socket-outlets and couplers for general industrial application

3760 In-service safety inspection and testing of electrical equipment

61009 Residual current operated circuit-breakers with integral overcurrent protection for household and similar uses (RCBOs)

61009.1 Part 1: General rules (IEC 61009-1, Ed. 3.0 (2010) MOD)