

Australian/New Zealand Standard™

**Electrical installations—Marinas and
boats**

Part 2: Boat installations



AS/NZS 3004.2:2014

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.

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
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This Standard was issued in draft form for comment as DR AS/NZS 3004.2.

Australian/New Zealand Standard™

Electrical installations—Marinas and boats

Part 2: Boat installations

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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 3004.2:2008, *Electrical installations—Marinas and recreational boats, Part 2: Recreational boats installations*.

This Standard incorporates Amendment No. 1 (July 2015). 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.

The objective of this Standard is to provide designers, manufacturers, boat builders and regulators with safety requirements for small boats.

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

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

In the preparation of this Standard reference was made to the following:

- (a) IEC 60092-507: Ed.1.0 (2000), *Electrical installations in ships, Part 507: Pleasure craft*.
- (b) ISO 10133, *Small craft—Electrical systems—Extra-low-voltage d.c. installations*.
- (c) ISO 13297, *Small craft—Electrical systems—Alternating current installations*.
- (d) American Boat and Yacht Council (ABYC) Standards and Technical Information Reports for Small Craft:
 - (i) A-28, *Galvanic isolators*.
 - (ii) A-32, *AC power conversion equipment and systems*.
 - (iii) E-11, *AC and DC electrical systems on boats*.
 - (iv) S-31, *Environmental considerations for systems and components installed onboard boats*.

and acknowledgement is made of the assistance received therefrom.

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

If work on an installation was commenced before publication of this edition, permission can be granted by the relevant regulatory authority or electricity distributor for the installation to be completed under AS/NZS 3004:2008.

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 or New Zealand only are indicated in the text and by a symbol in the right margin as follows:

‘In Australia.....’

‘In New Zealand.....’



Statements expressed in mandatory terms in footnotes to Tables are deemed to be requirements of this Standard.

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 for information and guidance only.

CONTENTS

	Page
SECTION 1 SCOPE AND GENERAL	
1.1 SCOPE.....	6
1.2 APPLICATION	7
1.3 REFERENCED AND RELATED DOCUMENTS.....	7
1.4 DEFINITIONS.....	10
SECTION 2 GENERAL REQUIREMENTS	
2.1 RATINGS.....	15
2.2 AMBIENT AIR AND COOLING WATER TEMPERATURE.....	15
2.3 INCLINATION OF BOAT	16
2.4 VOLTAGE AND FREQUENCY VARIATIONS	16
2.5 ELECTRICAL POWER SOURCES	17
2.6 EQUIPMENT	20
2.7 EQUIPMENT CONSTRUCTION	22
2.8 PLUGS AND SOCKET-OUTLETS	24
2.9 BATTERY INSTALLATION.....	25
2.10 BATTERY CHARGERS	26
2.11 INTERNAL COMMUNICATION CIRCUITS.....	27
2.12 ELECTRICAL APPARATUS FOR EXPLOSIVE GAS ATMOSPHERES	27
2.13 ELECTRICAL FITTINGS AND CABLES ATTACHED TO STRUCTURES OF ANOTHER METAL	27
2.14 NAVIGATION LIGHTS SUPPLY	27
2.15 LUMINAIRES.....	28
2.16 ELECTRICAL HEATING AND COOKING APPLIANCES	28
2.17 MAGNETIC COMPASSES.....	28
2.18 DIGITAL NETWORKED POWER DISTRIBUTION, CONTROL AND MONITORING SYSTEMS	28
SECTION 3 DISTRIBUTION SYSTEMS	
3.1 d.c. DISTRIBUTION SYSTEMS	29
3.2 STANDARD a.c. DISTRIBUTION SYSTEMS.....	29
3.3 EQUIPOTENTIAL BONDING CONDUCTORS	30
3.4 BALANCE OF LOADS IN THREE-PHASE a.c. SYSTEMS.....	31
3.5 SHORE CONNECTION ARRANGEMENTS	31
3.6 SWITCHBOARD	34
SECTION 4 PROTECTION AGAINST ELECTRIC SHOCK AND EARTH LEAKAGE IN a.c. SYSTEMS WITH VOLTAGE EXCEEDING 50 V	
4.1 PROTECTION AGAINST DIRECT CONTACT	36
4.2 AUTOMATIC DISCONNECTION OF SUPPLY TO FINAL SUBCIRCUITS OR EQUIPMENT	36
4.3 EARTHED NEUTRAL SYSTEMS	36
4.4 NON-NEUTRAL EARTHED SYSTEM (IT TYPE SYSTEM)	37
4.5 USE OF CLASS II EQUIPMENT	37
4.6 UNACCEPTABLE MEASURES AGAINST ELECTRIC SHOCK.....	37

	Page
SECTION 5 PROTECTION AGAINST OVERCURRENT	
5.1 GENERAL.....	38
5.2 CHARACTERISTICS OF PROTECTIVE DEVICES	38
5.3 d.c. SYSTEM.....	38
5.4 a.c. SYSTEM.....	39
5.5 GENERATORS	39
5.6 TRANSFORMERS	39
5.7 MOTOR PROTECTION.....	40
SECTION 6 CABLES	
6.1 SELECTION OF CABLES FOR MARINE ENVIRONMENT.....	41
6.2 CABLE SELECTION AND INSTALLATION	41
6.3 PROTECTIVE COVERINGS	41
6.4 DETERMINATION OF THE CROSS-SECTIONAL AREAS OF CONDUCTORS .	41
SECTION 7 CABLE AND WIRING INSTALLATION AND TERMINATION	
7.1 EQUIPOTENTIAL BONDS	46
7.2 CABLE TERMINATIONS	46
7.3 CABLE AND CONDUCTOR INSTALLATION	47
7.4 d.c. AND a.c. CABLING AND WIRING SEGREGATION	48
7.5 CONDUCTOR IDENTIFICATION.....	48
7.6 LIGHTNING PROTECTION	49
SECTION 8 VERIFICATION	
8.1 GENERAL.....	50
8.2 EARTHING.....	50
8.3 INSULATION RESISTANCE.....	50
8.4 SWITCHGEAR AND CONTROLGEAR	51
8.5 VOLTAGE DROP	51
8.6 INTERNAL COMMUNICATION CIRCUITS.....	51
8.7 LIGHTING, HEATING AND GALLEY EQUIPMENT.....	51
APPENDICES	
A BOATS OVER 24 METRES AND LARGER VESSELS OPERATIONAL IN OFFSHORE WATERS	52
B SHORE SIDE ARRANGEMENTS.....	55
C PERIODIC TESTING.....	59
D BOATS WARRANT OF ELECTRICAL FITNESS CERTIFICATION FORM— NEW ZEALAND ONLY	66

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