

Title	Explain AC system earthing and DC system grounding, and isolation safety requirements on vessels		
Level	3	Credits	3

Purpose	People credited with this unit standard are able to explain AC system earthing and DC system grounding, and isolation safety requirements on vessels.
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Classification	Boating Industries > Boatbuilding
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Available grade	Achieved
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Guidance Information

- 1 Reference
AS/NZS 3004.2:2014 – *Electrical installations – Marinas and boats*, available at <https://shop.standards.govt.nz/>.
- 2 Definitions
AC – alternating current.
DC – direct current.
Vessel/ refers a boat, barge, ship or craft designed to move across or through water.

Outcomes and performance criteria

Outcome 1

Explain AC system earthing and DC system grounding, and isolation safety requirements on vessels.

Performance criteria

- 1.1 Earthing and isolation safety requirements for onboard AC system are explained in accordance with AS/NZS 3004.2:2014.
- 1.2 Grounding and isolation safety requirements for onboard DC system are explained in accordance with AS/NZS 3004.2:2014.

Planned review date	31 December 2025
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Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	20 May 2011	31 December 2022
Review	2	27 August 2020	N/A

Consent and Moderation Requirements (CMR) reference

0136

This CMR can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.

Comments on this unit standard

Please contact the NZ Marine and Composites Industry Training Organisation training@nzmarine.com if you wish to suggest changes to the content of this unit standard.