

<b>Title</b>	<b>Explain and interpret electronic system schematic and connection drawings on vessels</b>		
<b>Level</b>	<b>4</b>	<b>Credits</b>	<b>3</b>

<b>Purpose</b>	People credited with this unit standard are able to explain and interpret electronic system schematic and connection drawings on vessels.
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<b>Classification</b>	Boating Industries > Boatbuilding
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<b>Available grade</b>	Achieved
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### Guidance Information

- 1 Assessment against this unit standard must be compliant in any of the following –
  - (a) Relevant rules of a classification society in accordance with hull or full certification standards for the ship's operating limits;
  - (b) AS/NZS 3004.2:2014 – *Electrical installations – Marinas and boats*;
  - (c) ISO 10133:2017 – *Small craft – Electrical systems – Extra low voltage d.c. installations*;  
available at <https://shop.standards.govt.nz/>.
- 2 Definition  
Vessel refers to a boat, barge, ship or craft designed to move across or through water.

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### Outcomes and performance criteria

#### Outcome 1

Explain and interpret electronic system schematic drawings on vessels.

#### Performance criteria

- 1.1 The purpose of electronic schematic layout drawings for electronic systems are explained in relation to connection drawings.
- 1.2 Electronic system schematic drawings are interpreted in terms of equipment specification, location and cabling requirements.

#### Outcome 2

Explain and interpret electronic system connection drawings on vessels.

**Performance criteria**

- 2.1 Electronic system connection drawings are explained and interpreted in terms of connection types and requirements.

<b>Planned review date</b>	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**Status information and last date for assessment for superseded versions**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

<b>Consent and Moderation Requirements (CMR) reference</b>	0136
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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](mailto:training@nzmarine.com) if you wish to suggest changes to the content of this unit standard.