

Title	Install electrical systems in a production trailer boat		
Level	4	Credits	5

Purpose	People credited with this unit standard are able to prepare materials and equipment and install electrical wiring system in a production trailer boat.
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Classification	Boating Industries > Boatbuilding
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Available grade	Achieved
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Guidance Information

- 1 All required equipment must be set up, started up, operated, and shutdown in accordance with workplace policies and procedures.
- 2 All work practices must meet recognised codes of practice and documented worksite health and safety procedures (where these exceed code) for personal, product, and worksite health and safety, and must meet the obligations required by legislation.
- 3 Learners undertaking assessment against this unit standard are expected to comply with the following legislation and any subsequent amendments –
 - Health and Safety at Work Act 2015
 - Health and Safety in Employment Regulations 1995
 - Resource Management Act 1991
 - Hazardous Substances and New Organisms Act 1996.
- 4 Evidence is required to install an electrical system for one boat.
- 5 Definitions:
Job specifications refers to the standard requirements of the job being undertaken.
Workplace policies and procedures refers to the documented procedures and policies providing guidelines of the tasks and activities carried out in the workplace. This typically includes relevant health and safety requirements to eliminate hazard/ risk in the workplace.

Outcomes and performance criteria

Outcome 1

Prepare materials and equipment for installation of an electrical system in a production trailer boat.

Performance criteria

- 1.1 Materials and equipment for electrical install are prepared in accordance with job specifications and the marine environment.
- 1.2 Wire termination and terminal insulation methods are established in accordance with job specifications.

Outcome 2

Install an electrical wiring system in a production trailer boat.

Performance criteria

- 2.1 Electrical components are checked and installed in accordance with job specifications and workplace policies and procedures.
- Range wiring loom, connectors, earthed.
- 2.2 Completed installation is checked and correction is taken if required to ensure job specifications are met.
- Range checks include – test system, document.

Planned review date	31 December 2021
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Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	27 October 2006	31 December 2018
Review	2	20 April 2017	N/A

Consent and Moderation Requirements (CMR) reference	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 NZMAC ITO training@nzmarine.com if you wish to suggest changes to the content of this unit standard.