

Title	Manufacture and install rope work components in the marine environment		
Level	4	Credits	12

Purpose	People credited with this unit standard are able to: manufacture rope work components; install and finish rope work components; and test and secure rope work components installation.
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Classification	Boating Industries > Boatbuilding
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Available grade	Achieved
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Guidance Information

- 1 Legislation, regulations, references and/or industry standards relevant to this unit standard include but are not limited to the:

- [Health and Safety at Work Act 2015](#);
- [Best practice guidelines for working at height in New Zealand](#).

Any new, amended or replacement Acts, regulations, rules, standards, codes of practice, guidelines, or authority requirements or conditions affecting this unit standard will take precedence for assessment purposes, pending review of this unit standard.

- 2 Definitions

Job specifications refer to the standard requirements of the job being undertaken. This includes rigging plans and lists.

Manufacturers' specifications refer to technical documentation provided for marine components that detail: proper installation methods; fabrication standards; material requirements; operational parameters; maintenance procedures; technical terminology; and relevant illustrations. Manufacturer specifications must be followed in all instances to ensure compliance with manufacturer warranty, safe operation, and operation that meets manufacturer performance claims. Manufacturer in the context of this unit standard refers to the supplier of the rope, rather than the manufacturer of rope work.

Rope work components refer to all elements used in rope-based systems and may include but is not limited to ropes, connecting hardware, anchoring devices, lifting equipment, securing devices, protective elements.

Workplace policies and procedures refer to the documented procedures and policies providing guidelines for the tasks and activities carried out in the workplace. This typically includes relevant health and safety policies to manage hazards and/or risks in the workplace.

3 Assessment information

Evidence presented for assessment against this unit standard must be in accordance with manufacturers' specifications, job specifications and workplace policies and procedures.

Outcomes and performance criteria

Outcome 1

Manufacture rope work components.

Performance criteria

- 1.1 Rope work component materials and accessories are selected.
- 1.2 Rope work components are manufactured.
- 1.3 Manufactured rope work components are checked to ensure they meet specifications.

Outcome 2

Install and finish rope work components.

Performance criteria

- 2.1 Rope work components are installed.
- 2.2 Installed rope work components are finished and checked.
 - Range finishing may include – knots, splices, tapering, abrasion sheathings, UV protection, terminations.
checking may include – relevance to specification, accuracy, integrity, appearance.

Outcome 3

Test and secure rope work component installation.

Performance criteria

- 3.1 Completed rope work component is tested.
 - Range testing may include – function, compatibility with accessories, tension, chafe protection.
- 3.2 Testing results are recorded.
- 3.3 Rope work components are properly secured and stowed.

Planned review date	31 December 2030
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Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	24 July 2025	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 Hanga-Aro-Rau Engineering, Manufacturing and Logistics Workforce Development Council at qualifications@hangaarorau.nz if you wish to suggest changes to this unit standard.