

<b>Title</b>	<b>Plan equipment layout and rig a power boat</b>		
<b>Level</b>	<b>4</b>	<b>Credits</b>	<b>15</b>

<b>Purpose</b>	People credited with this unit standard are able to determine customer requirements for equipment layout of a power boat, plan equipment layout for a power boat, and carry out equipment rigging.
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<b>Classification</b>	Motor Industry > Trailer Boat Systems
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<b>Available grade</b>	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](#)
- [Health and Safety in Employment Regulations 1995](#)
- [Resource Management Act 1991](#)

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

*Boat equipment* refers to motor(s), steering system, fuel system, safety systems, bilge pumps, blowers, fire extinguishers, electronic components, batteries, wiring, charging systems, instruments, ancillary equipment.

*Manufacturers' specifications* refer to technical information of a boat or product detailing: operation; installation and servicing procedures; technical terms and descriptions; and illustrations. Manufacturer specifications must be followed to ensure compliance with manufacturer warranty, safe operation, and operation that meets manufacturer performance claims.

*Rigging* refers to the fitting of engines and related accessories to a power boat.

*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 requirements to eliminate hazards and/or risks in the workplace.

- 3 Assessment information

Range

Evidence of two completed riggings of a power boat equipment is required.

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

It is recommended that people hold credits for Unit 15451, *Explain rigging requirements of power boats*, or demonstrate equivalent skills and knowledge before being assessed against this unit standard.

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## Outcomes and performance criteria

### Outcome 1

Determine customer requirements for equipment layout of a power boat.

#### Performance criteria

- 1.1 Customer requirements are determined.

### Outcome 2

Plan equipment layout for a power boat.

#### Performance criteria

- 2.1 Boat hull is checked to determine equipment suitability.
- 2.2 Manufacturers' specifications for boat equipment is checked for compatibility and suitability for installation.
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| Range | boat equipment may include but is not limited to – motor(s), steering system, fuel system, safety systems, bilge pumps, blowers, fire extinguishers, electronic components, batteries, wiring, charging systems, instruments, ancillary equipment. |
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- 2.3 Boat layout is designed in accordance with the proposed mounting and rigging of the equipment on the boat.

### Outcome 3

Carry out equipment rigging.

#### Performance criteria

- 3.1 Boat equipment is installed in accordance with installation plan, manufacturer's specifications and workplace policies and procedures.
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| Range | may include but is not limited to – using compatible materials, sealing, earthing, sacrificial anodes, protective primers and paints, fasteners. |
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- 3.2 Boat equipment installation is checked, to ensure the installation plan, and functionality are met.

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<b>Planned review date</b>	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	23 February 1999	31 December 2018
Revision	2	16 April 2003	31 December 2018
Review	3	21 September 2007	31 December 2018
Review	4	28 September 2017	31 December 2027
Review	5	29 May 2025	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 Hanga-Aro-Rau Engineering, Manufacturing and Logistics Workforce Development Council at [qualifications@hangaarorau.nz](mailto:qualifications@hangaarorau.nz) if you wish to suggest changes to this skill standard.