

Title	Demonstrate knowledge of rigging requirements of power boats		
Level	3	Credits	10

Purpose	People credited with this unit standard are able to demonstrate knowledge of rigging requirements of power boats.
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Classification	Motor Industry > Trailer Boat Systems
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Available grade	Achieved
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Guidance information

1 Definitions

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

Service information refers technical information of a boat or product detailing: operation; installation and servicing procedures; manufacturer instructions and specifications; technical terms and descriptions; or illustrations.

Workplace policies and procedures refer 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 manage risk in the workplace.

- 2 Reference textbook: *Safety in small craft*, 2002 edition by Mike Scanlan, and available at website: http://boatbooks.co.nz/seamanship_education.html#BM16303.

Outcomes and performance criteria

Outcome 1

Demonstrate knowledge of rigging requirements of power boats.

Performance criteria

- 1.1 Hull and boat plans and their specifications are interpreted to enable equipment layout requirements to be identified in accordance with workplace policies and procedures.

Range boat specifications – profiles, body plan, half breadth; structural integrity; suitability of design to boat application.

- 1.2 Helm station design requirements are identified in accordance with boat manufacturer instructions.

Range includes – remote control steering, instruments and gauges, electrics and electronics, hardware.

- 1.3 Procedure to locate a transom centre line and parallelism to water line is explained in accordance with boat manufacturer instructions and marine engine service information.
- 1.4 Procedure to measure transom angle is explained in relation to power and transmission unit mounting.
- 1.5 Compatibility requirements of accessories and fittings with boats are identified in accordance with service information.
- 1.6 Factors to consider when rigging a hull are explained in accordance with boat manufacturer instructions.
- Range includes – customer requirements, equipment specifications, safety, security, compatibility, weight distribution, boat trim.
- 1.7 Equipment layout requirements are explained in accordance with boat manufacturer instructions and engine service information.
- Range includes – engine ventilation, space saving, ease of maintenance, location of essential monitoring and control systems, provision of protection from moving cables and linkages, wiring looms, exhaust system.

Planned review date	31 December 2023
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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 2020
Revision	2	16 April 2003	31 December 2020
Review	3	21 September 2007	31 December 2020
Rollover and Revision	4	20 July 2017	31 December 2020
Review	5	26 July 2018	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 NZ Marine and Composites Industry Training Organisation training@nzmarine.com if you wish to suggest changes to the content of this unit standard.