

Title	Demonstrate knowledge of production trailer boat design		
Level	4	Credits	5

Purpose	People credited with this unit standard are able to explain: production trailer boat hull designs; the performance factors in trailer boats; production trailer boat construction design elements.
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Classification	Boating Industries > Boatbuilding
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Available grade	Achieved
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Outcomes and performance criteria

Outcome 1

Explain production trailer boat hull designs.

Performance criteria

1.1 Hull designs are explained in terms of use and performance requirements.

Range evidence of three different types of boat hulls is required.

Outcome 2

Explain the performance factors in trailer boats.

Performance criteria

2.1 Effect of V in hull form is explained in terms of boat performance.

Range speed, ride, stability.

2.2 Effect of weight is explained in terms of boat performance.

2.3 Power requirement variations are explained in terms of boat performance.

Range speed differences with same power for different hull shapes.

2.4 The effect of loading is described in terms of boat performance.

Range distribution weight, centre of gravity, handling.

Outcome 3

Explain production trailer boat construction design elements.

Performance criteria

3.1 The use of structural boat components is explained in terms of boat construction design.

Range bulk heads, frames, stringers, floatation tanks, internal linings.

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Status information and last date for assessment for superseded versions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 NZ Marine and Composites Industry Training Organisation training@nzmarine.com if you wish to suggest changes to the content of this unit standard.