

Title	Demonstrate knowledge of boatbuilding methods		
Level	2	Credits	4

Purpose	People credited with this unit standard are able to demonstrate knowledge of: timber boatbuilding; metal boatbuilding; and composite boatbuilding.
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Classification	Boating Industries > Boatbuilding
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Available grade	Achieved
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Guidance Information

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.

Outcomes and performance criteria

Outcome 1

Demonstrate knowledge of timber boatbuilding.

Performance criteria

- 1.1 Describe the processes involved in the construction methods of timber boat frames.

Range methods may include – sawn and bent frames, inverted and upright construction, use of temporary and/or integral frames; evidence of two methods is required.

- 1.2 Describe the use of timber planking and fastening systems.

Range planking includes – carvel, clinker, double diagonal, triple planking
fastening systems include – nailing, riveting or roving, clenching, screwing, dowelling, bolting.

- 1.3 Explain the purpose of waterproofing for timber boats.

Outcome 2

Demonstrate knowledge of metal boatbuilding.

Performance criteria

2.1 Describe the process involved in the construction methods of metal boats.

Range construction methods may include – jig fabrication, frames non-jig fabrication, riveting, welding, plate beating, rolling; evidence of two construction methods is required.

2.2 Identify the functions of different metals used in boat construction.

Outcome 3

Demonstrate knowledge of composite boatbuilding.

Performance criteria

3.1 Describe the processes involved in the construction methods of composite boats methods.

Range evidence of two methods is required.

3.2 Identify materials and their uses in the construction of composite boats.

Planned review date	31 December 2029
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Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	7 May 1997	31 December 2018
Review	2	28 March 2001	31 December 2018
Rollover and Revision	3	20 March 2009	31 December 2018
Review	4	20 April 2017	31 December 2027
Review	5	30 January 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.