

Title	Demonstrate knowledge of timber used in boatbuilding		
Level	3	Credits	4

Purpose	People credited with this unit standard are able to describe timber classifications and types used in boatbuilding, describe types of timber cuts used in boatbuilding, and describe storage requirements and systems for boatbuilding timber.
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Classification	Boating Industries > Boatbuilding
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Available grade	Achieved
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Guidance Information

- 1 Boatbuilding context –timber used for boatbuilding covers many timber types. The timber is selected specifically to suit where the timber component is to be used (location), function, and requirements of durability; compression, weight, abrasion resistance; ability to bond to other components, appearance, cost, and workability. Boatbuilding components are often required to be custom formed into unique sizes and shapes. Timber selection and its use in boat building requires specific knowledge of timber attributes, conversion methods, selection, and storage.
- 2 Definition
Systems refer to a set of organised methods for storage of timber used in boatbuilding.

Outcomes and performance criteria

Outcome 1

Describe timber classifications and types used in boatbuilding.

Range classifications – softwoods, hardwoods, manufactured board types.

Performance criteria

- 1.1 Timber classifications are described in terms of their properties.
- 1.2 Timber types are described in terms of their properties and uses in boatbuilding.
 Range evidence of five types of softwood is required;
 evidence of five types of hardwood is required;
 evidence of two types of manufactured board is required.

Outcome 2

Describe types of timber cuts used in boatbuilding.

Performance criteria

2.1 Types of timber cuts are described in terms of their suitable use in boatbuilding.

Range quarter sawn, crown cut.

Outcome 3

Describe storage requirements and systems for boatbuilding timber.

Performance criteria

3.1 Requirements and systems for timber storage are described in terms of timber protection.

Range protection includes prevention or reduction of – insect attack, fungal decay, splitting, warping, twisting, cupping.

Replacement information	This unit standard and unit standard 25118 replaced unit standard 18168.
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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	21 November 2008	31 December 2020
Review	2	1 November 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 ITO training@nzmarine.com if you wish to suggest changes to the content of this unit standard.