

<b>Title</b>	<b>Build boat frameworks in timber</b>		
<b>Level</b>	<b>4</b>	<b>Credits</b>	<b>20</b>

<b>Purpose</b>	<p>People credited with this unit standard are able to: construct a building jig or set up a building floor for building boat frameworks in timber; manufacture framework members; install and secure framework members; and fair the members and framework.</p> <p>This unit standard is applicable to the construction of boats to be finished in timber and fibre-reinforced composites (FRC).</p>
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<b>Classification</b>	Boating Industries > Boatbuilding
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<b>Available grade</b>	Achieved
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### Guidance Information

- 1 All work practices must meet recognised codes of practice and workplace policies and procedures (where these exceed code) for personal, product, and workplace health and safety, and must meet the obligations required under the Health and Safety at Work Act 2015 and Resource Management Act 1991, and any subsequent amendments.
- 2 Definitions
  - FRC* (fibre reinforced composite) refers to glass sheathing that may be non-structural on outside only or may be structural glass on the inside and outside of a hull.
  - Job specifications* refers to the standard requirements of the job being undertaken.
  - Workplace policies and procedures* refers to documented procedures and policies providing guidelines of the tasks and activities carried out in the workplace. This typically includes relevant health and safety policies to manage risk in the workplace.

### Outcomes and performance criteria

#### Outcome 1

Construct a building jig or set up a building floor for building boat frameworks in timber.

#### Performance criteria

- 1.1 Building floor or jig is confirmed as being able to support the weight of the intended construction and associated equipment.
- 1.2 Building floor or jig is confirmed as being able to accommodate the size of the intended construction and temporary frames at the required intervals.

- 1.3 Building floor or jig is marked to job requirements for the installation of framework members.

## **Outcome 2**

Manufacture framework members.

Range examples of framework members include – keels, transoms, kelsons, floors, bulkheads, stringers, and chines.

### **Performance criteria**

- 2.1 Materials selected meet job specifications and requirements of the intended use.

Range specifications and requirements – moisture content and straightness of timber, permanent or temporary nature of the member.

- 2.2 Manufactured members meet job specifications for shape and size.

- 2.3 Members are finished to job requirements.

Range finish – sanding, radius of edges.

## **Outcome 3**

Install and secure framework members.

### **Performance criteria**

- 3.1 Members are installed so that fair lines can be achieved in accordance with job specifications.

- 3.2 Temporary members are secured so that they can be removed in accordance with job requirements.

- 3.3 Members are secured in accordance with job requirements.

Range glued, screwed, nailed.

## **Outcome 4**

Fair the members and framework.

### **Performance criteria**

- 4.1 Selection and production of battens enables fair lines to be established to job specifications.

- 4.2 Fairness is established for the whole framework.

- 4.3 The outside face of the completed framework is within job specifications and tolerances for fair lines.

**This unit standard is expiring. Assessment against the standard must take place by the last date for assessment set out below.**

**Status information and last date for assessment for superseded versions**

Process	Version	Date	Last Date for Assessment
Registration	1	7 May 1997	31 December 2025
Revision	2	20 March 2001	31 December 2025
Revision	3	16 April 2004	31 December 2025
Review	4	21 November 2008	31 December 2025
Rollover and Revision	5	26 July 2018	31 December 2025
Review	6	25 August 2022	31 December 2025

<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>.