

Title	Use and maintain tools, plant, and equipment to manufacture timber structures		
Level	3	Credits	6

Purpose	<p>This unit standard is intended for people working in timber structure manufacturing.</p> <p>People credited with this standard are able to use and maintain tools, plant, and equipment to manufacture timber structures to commercial standards.</p>
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Classification	Construction Trades > Carpentry
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Available grade	Achieved
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Guidance Information

1 Assessment

This unit standard is intended to align with the *New Zealand Certificate in Timber Structure Manufacture – Specifications* and the *New Zealand Certificate in Timber Structure Manufacture (Level 3)* with strands in *Wall Frame Manufacture*, and *Roof Truss Manufacture* [Ref: 4319].

Evidence for this standard must reflect commercial standards.

Commercial standards refer to verbal and written information covering company policy, standard operating procedures and processes and job-specific instructions.

Working to commercial standards must be confirmed by a person with current expertise in the timber structure manufacturing trade.

2 Definitions

Power-assisted fastening tools are fastening tools powered by compressed air, compressed gas or electricity.

Timber structures are cut and assembled in a controlled environment. They may include wall frames and/or roof trusses.

Workplace procedures refer to the documented procedures specific to a workplace, which set out the standards and required practices of that workplace.

3 Legislation, standards and guidance information relevant to this standard includes the following; and any subsequent amendments and replacements:

New Zealand Certificate in Timber Structure Manufacture – Specifications, BCITO, October 2020, available from www.waihanga.nz.

Legislation accessed at www.legislation.govt.nz

- Building Act 2004
- Health and Safety at Work Act 2015
- The New Zealand Building Code.

Standards accessed at www.standards.govt.nz

- NZS 3602:2003 Timber and wood-based products for use in building
- NZS 3604:2011 *Timber-framed Buildings*.

Best practice and good practice guidelines

- The Absolutely Essential Health and Safety Toolkit for Small Construction Sites, and other Worksafe NZ publications available from www.worksafe.govt.nz.

Skill specification and performance level guidance

Skill specification

Use and maintain tools, plant, and equipment to manufacture timber structures.

Knowledge

The types, purpose, and safe use of hand tools for the manufacture of timber structures.

The types, purpose, and safe use of power tools for the manufacture of timber structures.

Range must include – power-assisted fastening tools.

The types, purpose, and safe use of plant and equipment for the manufacture of timber structures.

Range computer operated or manually operated.

The maintenance and care requirements of different tools, plant, and equipment used for the manufacture of timber structures.

Range routine maintenance and checks, organising professional maintenance and repair services.

Skills

Use a range of hand tools to manufacture timber structures.

Use a range of power tools to manufacture timber structures.

Range must include – power-assisted fastening tools.

Use a range of plant and equipment to manufacture timber structures.

Range computer operated or manually operated;
timber structures may include – wall frames, roof trusses.

Maintain tools, plant, and equipment used to manufacture timber structures.

Range routine maintenance and checks, organising professional maintenance and repair services.

Performance level guidance

Performance must reflect health and safety requirements, manufacturers' instructions, and workplace procedures.

Performance must reflect preparatory routines, operation, and storage of tools, plant and equipment.

Performance must include the use of tools, plant and equipment to cut, assemble, stack, and package timber structures.

Planned review date	31 December 2026
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Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	25 November 2021	N/A

Consent and Moderation Requirements (CMR) reference	0048
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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 Waihangā Ara Rau Construction and Infrastructure Workforce Development Council qualifications@waihanga.nz if you wish to suggest changes to the content of this unit standard.