Title	Demonstrate knowledge of timber use in construction		
Level	3	Credits	2

Purpose	People credited with standard can demonstrate knowledge of: • timber used for construction; and • health and safety for working with timber used for construction.

Classification	Construction Trades > Carpentry

Available grade	Achieved

Guidance Information

1 Range
Evidence generated for assessment against this standard must reflect workplace and industry requirements specified in:
- documented worksite specifications, procedures, and practices;
- manufacturer recommendations, specifications, and technical data sheets;
- applicable specifications from other sources such as an architect, designer, engineer, or supervisor;
- applicable material safety data sheets;
- NZS 3604:2011 *Timber Framed Buildings*;
- NZS 3631:1988 *New Zealand timber grading rules*;
- NZS 3640:2003 *Chemical preservation of round and sawn timber*;
- the New Zealand Building Code.

Evidence generated for assessment against this standard must reflect the requirements of:
- Building Act 2004
- Health and Safety at Work Act 2015
- Resource Management Act 1991
- Building Regulations 1992
- Building (Forms) Regulations 2004
- Health and Safety in Employment Regulations 1995.

2 References
NZS 3604:2011 *Timber Framed* Buildings. Available from Standards NZ (http://www.standards.co.nz).
NZS 3631:1988 *New Zealand timber grading rules*. Available from Standards NZ (http://www.standards.co.nz).
NZS 3640:2003 *Chemical preservation of round and sawn timber*. Available from Standards NZ (http://www.standards.co.nz).

Outcomes and performance criteria

Outcome 1

Demonstrate knowledge of timber used for construction.

Performance criteria

1.1   Describe the nominal dimensions and finish of types of timber used in construction.

        Range   rough sawn, gauged, dressed, finger jointed, profiles.

1.2   Describe common defects in timber and how they affect its use in construction.

        Range   knots, splits, warps.

1.3   Identify borer damage and describe its effect on timber used in construction.

1.4   Identify fungal damage and describe its effect on timber used in construction.

        Range   dry rot, wet rot.

1.5   Describe how to protect timber against insect and fungal attack.

1.6   Describe how to handle and store timber.

Outcome 2

Demonstrate knowledge of health and safety for working with timber used for construction.

Range   labour, identification of hazards and controls, plant;
plant includes – any machinery, vehicle, vessel, aircraft, equipment (including personal protective equipment), appliance, container, implement, or tool; any component of any of those things; anything fitted or connected to any of those things;
personal protective equipment includes – anything used or worn by a person (including clothing) to minimise risks to the person's health and safety; air supplied respiratory equipment.

Performance criteria

2.1   Identify and describe health and safety requirements for working with construction timber.

Replacement information	This unit standard replaced unit standard 603.

Planned review date	31 December 2026

Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	21 May 1999	31 December 2023
Review	2	26 February 2002	31 December 2023
Review	3	25 January 2008	31 December 2023
Review	4	30 September 2021	N/A

Consent and Moderation Requirements (CMR) reference	0048

This CMR can be accessed at http://www.nzqa.govt.nz/framework/search/index.do.

Comments on this unit standard

Please contact the Building and Construction Industry Training Organisation at national.office@bcito.org.nz if you wish to suggest changes to the content of this unit standard.