

Title	Grade wooden poles		
Level	3	Credits	8

Purpose	People credited with this unit standard are able to: demonstrate knowledge of safety aspects of grading wooden poles; demonstrate knowledge of wooden pole product grades and their specifications; grade wooden poles; and complete grading activities.
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Classification	Solid Wood Manufacturing > Pole and Post Manufacturing
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Available grade	Achieved
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Guidance Information

- 1 Legislation and references
 Health and Safety at Work Act 2015.
 NZS 3605:2001 *Timber piles and poles for use in building*, available at <http://www.standards.co.nz>.
Approved Code of Practice for Safety and Health in Forest Operations (Wellington: WorkSafe, 2012), available at <https://worksafe.govt.nz/topic-and-industry/forestry/safety-and-health-in-forest-operations/>.
A Guide for Safety with Chainsaws (Wellington: WorkSafe, 2011) available at <https://worksafe.govt.nz/topic-and-industry/machinery/saws-and-shears/chainsaws/>.
- 2 Definitions
Accepted industry practice – approved codes of practice and standardised procedures accepted by the wider wood manufacturing industry as examples of best practice.
Large-end diameter (LED) refers to the measurement of the longest diameter through the geometric centre of the log at the large end.
Pole refers to a naturally round tree stem used to support wiring or used in construction.
Roundwood refers to round, and part-round, wooden posts and poles that are shorter than 3.6 metres.
Small end diameter (SED) refers to the smallest diameter along a pole or roundwood product, usually found at one end.
Sweep refers to the largest deviation from straightness determined using a logger tape or other straight edge along the length of the log.
Workplace procedures refer to documented policies and procedures set by the organisation carrying out the work, and to documented or other directions provided to staff, and applicable to the tasks being carried out. They may include but are not limited to – standard operating procedures, site specific procedures, site safety procedures, equipment operating procedures, codes of practice, quality assurance procedures, product quality specifications, references, Approved Codes of Practice,

housekeeping standards, environmental considerations, on-site briefings, supervisor's instructions, and procedures to comply with legislative and local body requirements relevant to the industry sector.

3 Assessment information

All activities and evidence must meet workplace procedures and accepted industry practice.

Outcomes and performance criteria

Outcome 1

Demonstrate knowledge of safety aspects of grading wooden poles.

Performance criteria

1.1 Safe work practices are explained and followed.

Range may include but is not limited to – the wearing of appropriate safety equipment, safe use of any related machinery and equipment, emergency stops, isolation procedures, lockouts, machine guards, correct chainsaw use, forklift or loader safety; evidence of wearing appropriate safety equipment and a minimum of three others are required.

Outcome 2

Demonstrate knowledge of wooden pole product grades and their specifications.

Performance criteria

2.1 Wooden pole grades are identified, and their specifications are explained.

Outcome 3

Grade wooden poles.

Performance criteria

3.1 Product diameters and lengths are identified and directed to the next processing stage.

3.2 Pole products are graded in accordance with NZS 3605:2001.

Range grading of product includes but is not limited to – length, physical imperfections, diameter (LED and SED), knot diameters, knot whorls, straightness, sweep, physical and mechanical defects; evidence of a minimum of ten defects on two different pole types is required.

- 3.3 Defective products are identified, removed and reprocessed.
- Range defective product includes but is not limited to – dimensional variations, physical imperfections, biological defects.
- 3.4 Calibrated measuring equipment is used to ensure accuracy in grading wooden poles.
- 3.5 Correct identification markings or tags are applied on the poles to meet customer requirements.

Outcome 4

Complete grading activities.

Performance criteria

- 4.1 Tools, equipment, and materials are accounted for and returned to storage.
- 4.2 Work area is left clean and tidy, and ready for next use.
- 4.3 Documentation is completed, communicated and filed.
- Range production, maintenance, quality records.

Planned review date	31 December 2024
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Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	28 April 2003	31 December 2012
Review	2	18 December 2006	31 December 2012
Review	3	20 October 2011	N/A
Review	4	26 March 2020	N/A

Consent and Moderation Requirements (CMR) reference	0013
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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 Competenz qualifications@competenz.org.nz if you wish to suggest changes to the content of this unit standard.