

<b>Title</b>	<b>Operate a peeler to produce roundwood products</b>		
<b>Level</b>	<b>3</b>	<b>Credits</b>	<b>10</b>

<b>Purpose</b>	People credited with this unit standard are able to: demonstrate knowledge of safety aspects of peeling of roundwood products; prepare for peeling roundwood products; peel roundwood products; and complete peeler activities.
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<b>Classification</b>	Solid Wood Manufacturing > Pole and Post Manufacturing
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<b>Available grade</b>	Achieved
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### Guidance Information

#### 1 Legislation and references

Health and Safety at Work Act 2015.

Resource Management Act 1991.

*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.

*Peeling* refers to removal of bark and cambium layer generally by machines fitted with cutter heads which follow the natural contours and irregularities of the log.

*Peeler* refers to machinery fitted with cutter heads, used to peel bark and/or cambium layers from poles and roundwood, and includes: rosser head peeler, contour following peeler, chainsaw driven peeler.

*Roundwood* refers to round, and part-round, wooden posts and poles that are shorter than 3.6 metres.

*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.

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## Outcomes and performance criteria

### Outcome 1

Demonstrate knowledge of safety aspects of peeling of roundwood products.

#### Performance criteria

1.1 Safe work practices are explained and followed.

Range may include but is not limited to – use of appropriate safety equipment, use of isolation procedures, lockouts, emergency stops, machine guards.

1.2 The consequences of non-conformance with workplace standards for safe operation of a post peeler are described.

Range personal hazard, equipment damage, production loss, and downstream processing activities.

### Outcome 2

Prepare for peeling roundwood products.

#### Performance criteria

2.1 Product specifications are checked to identify out of specification product.

Range out of specification products may include but are not limited to – log age management, form, machine damage, splits, biological attack, grade markings; evidence of three out of specification products is required.

2.2 Quality of roundwood pieces are inspected on the peeler outfeed and a decision made on the down stream processing.

2.3 The peeler and related equipment are set up and adjusted to meet manufacturer's instructions.

Range set-up and adjustment may include but are not limited to – pre-start checks, peeler knives, emergency stops, duck pluckers, equipment responsiveness, product dimensions, in-feeds and out-feeds; evidence of pre-start checks, and a minimum of four other set-ups and adjustments is required.

**Outcome 3**

Peel roundwood products.

**Performance criteria**

- 3.1 Peeler is operated to meet product specifications and manufacturer's requirements.
- 3.2 Peeled products are checked to ensure that products meet visual and dimensional product specifications.
- 3.3 Rate of production is maintained, and any variation is managed.

**Outcome 4**

Complete peeler activities.

**Performance criteria**

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

<b>Planned review date</b>	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

<b>Consent and Moderation Requirements (CMR) reference</b>	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](mailto:qualifications@competenz.org.nz) if you wish to suggest changes to the content of this unit standard.