

<b>Title</b>	<b>Scarf veneers for laminated veneer lumber and plywood manufacture</b>		
<b>Level</b>	<b>4</b>	<b>Credits</b>	<b>10</b>

<b>Purpose</b>	People credited with this unit standard are able to: demonstrate knowledge of the fundamentals of veneer scarfing; operate and maintain veneer scarfer for laminated veneer lumber (LVL) and plywood manufacture; and monitor and control scarfing operation, and complete records.
----------------	---

<b>Classification</b>	Solid Wood Manufacturing > Laminated Veneer Lumber and Plywood Manufacturing
-----------------------	--

<b>Available grade</b>	Achieved
------------------------	----------

---

### Guidance Information

- 1 Legislation  
Health and Safety at Work Act 2015.  
Resource Management Act 1991.
- 2 Definitions  
*Accepted industry practice* refers to approved codes of practice and standardised procedures accepted by the wider wood manufacturing industry as examples of best practice.  
*Preventative maintenance* refers to the care and servicing of equipment and machinery. This may include periodic checks and inspections, testing, measurements, adjustments, or parts replacement as required in accordance with worksite policies and procedures for the purpose of preventing faults or failures and to maintain production requirements.  
*Scarf* means to dock and scarf join veneers for LVL and plywood production.  
*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, 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 wood manufacturing sector.
- 3 Assessment information  
All activities and evidence must be in accordance with workplace procedures and accepted industry practice.

---

## Outcomes and performance criteria

### Outcome 1

Demonstrate knowledge of the fundamentals of veneer scarfing.

#### Performance criteria

- 1.1 The functions of scarfers in the LVL and plywood manufacturing process are described.
- 1.2 Operating components and process controls of scarfers are identified and their purposes are explained.
- Range may include but are not limited to – in-feed, saws, veneer tester, drive system, stackers, skew tables, alignment section, scarfing section, gluing section, on-line moisture meter.
- 1.3 Hazards associated with veneer scarfing are identified, and the role of protective equipment and safety features are explained.
- Range hazards may include but are not limited to – noise, dust, splinters, moving equipment;  
safety features may include but are not limited to – personnel protective equipment, hold cards, lockouts, stop buttons, guards.
- 1.4 The consequences of non-conformance with workplace procedures when scarfing veneers in terms of production, safety, and quality are described.

### Outcome 2

Operate and maintain veneer scarfer for LVL and plywood manufacture.

#### Performance criteria

- 2.1 Incoming veneer grade is checked against planned output grade.
- 2.2 Scarf saws are set up, started, operated, and shut down.
- 2.3 Equipment faults and malfunctions are identified, and corrective action is taken.
- Range equipment faults and malfunctions may include but are not limited to – electrical, mechanical, hydraulic, pneumatic, instrumentation.
- 2.4 Preventative maintenance and cleaning requirements for the scarfer are applied.

### Outcome 3

Monitor and control scarfing operation, and complete records.

**Performance criteria**

- 3.1 Feedback information from control and checks is monitored and interpreted, and control parameters are adjusted to maintain process requirements, plant performance, and product quality.
- 3.2 Scarfed veneers are checked for size.
- 3.3 Scarfing production rate is maintained.
- 3.4 Production, maintenance, and quality records are completed.

<b>Planned review date</b>	31 December 2024
----------------------------	------------------

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

Process	Version	Date	Last Date for Assessment
Registration	1	24 November 1995	31 December 2012
Revision	2	12 February 1998	31 December 2012
Review	3	25 March 1999	31 December 2012
Review	4	29 March 2005	31 December 2012
Review	5	24 August 2006	31 December 2013
Review	6	19 April 2012	N/A
Review	7	22 October 2020	N/A

<b>Consent and Moderation Requirements (CMR) reference</b>	0013
--	------

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.