

<b>Title</b>	<b>Demonstrate knowledge of wood panel manufacturing processes and the New Zealand wood panels industry</b>		
<b>Level</b>	<b>2</b>	<b>Credits</b>	<b>10</b>

<b>Purpose</b>	People credited with this unit standard are able to: demonstrate knowledge of wood panel manufacturing processes; demonstrate knowledge of the features of New Zealand wood panel products; and identify plant locations and major export markets for New Zealand wood panels industry.
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<b>Classification</b>	Wood Manufacturing - Generic Skills > Wood Panel Manufacturing Skills
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<b>Available grade</b>	Achieved
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## Guidance Information

### 1 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.

*Corrective action* may include actions such as communication to management, communication to on-site technical support person, communication to off-site technical support person, cleaning, communication with maintenance staff, recalibration, or changes made to the operating system in accordance with workplace procedures.

*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 industry sector.

### 2 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 wood panel manufacturing processes.

**Performance criteria**

1.1 Key procedures for determining quality of wood panels are described.

Range procedures – moisture content checks, glue application, size control.

1.2 Main stages in the production of wood panels from raw materials to finished product are described.

Range stages may include but are not limited to – wood preparation, drying, forming, gluing, pressing, sawing, sanding, grading, testing;  
products – plywood, laminated veneer lumber, medium density fibreboard, particle board, strandboard, fibre-faced strandboard, overlaid versions;  
evidence is required for three products.

1.3 Record keeping in a wood panel production process is explained.

Range may include but is not limited to – quality, production.

1.4 The preventive maintenance process in place at the wood panel manufacturing workplace, and the individual's role in the process are explained.

**Outcome 2**

Demonstrate knowledge of the features of New Zealand wood panel products.

Range evidence is required of three types of wood panel products.

**Performance criteria**

2.1 Key wood panel product components are described and the end-use applications for each component are listed.

2.2 Current sources of wood residues used in wood panel manufacturing are described.

Range residues – sawdust, shavings, chip, slabwood, roundwood, board reject.

2.3 The significant properties of wood panels are described.

Range density, strength, moisture durability, surface characteristics, dimensional stability.

**Outcome 3**

Identify plant locations and major export markets for New Zealand wood panels industry.

**Performance criteria**

3.1 Location and ownership of plants producing wood panels in New Zealand are identified.

Range evidence of four plants is required.

3.2 Major export markets for New Zealand wood panel products are identified.

<b>Replacement information</b>	This unit standard replaced unit standard 691 and unit standard 692.
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<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	29 March 2005	31 December 2019
Rollover and Revision	2	23 February 2007	31 December 2020
Review	3	19 March 2010	N/A
Review	4	23 April 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.