

<b>Title</b>	<b>Demonstrate knowledge of the solid wood manufacturing industry</b>		
<b>Level</b>	<b>2</b>	<b>Credits</b>	<b>5</b>

<b>Purpose</b>	People credited with this unit standard are able to demonstrate knowledge of: solid wood manufacturing operations; markets for solid wood products; and solid wood manufacturing key performance indicators.
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<b>Classification</b>	Wood Manufacturing - Generic Skills > Wood Manufacturing Foundation 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.

*Solid wood manufacturing industry* refers to the conversion of logs into sawn timber and by-products, and the secondary processing steps required to produce stable and saleable commodity products.

*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.

### 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 solid wood manufacturing operations.

### Performance criteria

1.1 Wood resources are identified.

Range location, harvest volume and wood species.

1.2 Processing activities found in a solid wood manufacturing plant are identified.

Range processing may include but is not limited to – log preparation, sawmilling, grading, drying, timber machining, wood preservation, wood product manufacturing, by-product processing.

1.3 Equipment and raw materials found in a solid wood manufacturing plant are identified.

Range equipment may include but is not limited to – debarkers, chippers, primary and secondary breakdown equipment, resaws, kilns, docking saws, wood treatment plant, machining equipment, packaging equipment.

1.4 Condition and end use of products found in a solid wood manufacturing plant are identified.

Range condition may include but is not limited to – green rough sawn, green machined, dried rough sawn, dried machined, treated timber;  
end use may include but is not limited to – structural, appearance, clears, industrial solid wood products, chips, sawdust, bark, shavings.

## Outcome 2

Demonstrate knowledge of markets for solid wood products.

### Performance criteria

2.1 Solid wood products are described.

Range local market products, export market products.  
evidence of six products is required.

2.2 Reasons for importation of wood products are explained.

Range evidence of three is required.

## Outcome 3

Demonstrate knowledge of solid wood manufacturing key performance indicators.

### Performance criteria

3.1 Terms used in key performance indicators are defined.

Range terms may include but are not limited to – target production, actual production, grade recovery, volume recovery, up-time, down-time, production rate, yield, feed speed, machine speed, reject material.

3.2 Factors affecting key performance indicators are identified and linked to the identified indicators.

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	25 November 2000	31 December 2020
Review	2	18 December 2006	N/A
Review	3	28 May 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.