

<b>Title</b>	<b>Explain and calculate costing of timber machining operations</b>		
<b>Level</b>	<b>4</b>	<b>Credits</b>	<b>4</b>

<b>Purpose</b>	People credited with this unit standard are able to: identify and explain cost components of timber machining operations; and calculate the cost of manufacturing a timber-machined product.
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<b>Classification</b>	Solid Wood Manufacturing > Timber Machining
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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.

*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.

#### 3 Recommended unit standard for entry: Unit 17960, *Perform basic calculations for the operation of wood forming machines and grinders.*

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### Outcomes and performance criteria

#### Outcome 1

Identify and explain cost components of timber machining operations.

Range may include but is not limited to – electricity, labour, materials, mobile machinery, capital costs, overheads, downtime, systems.

**Performance criteria**

- 1.1 Cost components of timber machining operations are identified.
- 1.2 Effect of cost components on net unit cost is explained.

**Outcome 2**

Calculate the cost of manufacturing a timber-machined product.

**Performance criteria**

- 2.1 Net unit cost is calculated from given variables.
- 2.2 Cost reduction methods are described.

Range may include but is not limited to – machine utilisation, training, planned maintenance, materials cost control, productivity, quality control, planning.  
evidence of four is required.

<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 August 1996	31 December 2020
Review	2	10 February 1999	31 December 2020
Review	3	18 December 2006	N/A
Review	4	25 June 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.