

<b>Title</b>	<b>Grade structural timber to company grade specifications at an average of 95% accuracy and a minimum 90% accuracy</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 grade structural timber to company grade specifications at an average of 95% accuracy and a minimum 90% accuracy.
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<b>Classification</b>	Solid Wood Manufacturing > Timber Grading
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<b>Available grade</b>	Achieved
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### Guidance Information

- 1 Legislation  
Health and Safety at Work Act 2015.  
Resource Management Act 1991.
- 2 Definitions  
*Accepted industry practice* – approved codes of practice and standardised procedures accepted by the wider solid wood manufacturing industry as examples of best practice.  
*Accuracy* means within site specific tolerance levels for defects which can be measured, such as pith, knots, holes, and bark pockets.  
*Company grade specifications* are detailed instructions prescribing the exact dimensions and expected quality of product to meet customer requirements.  
*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 industry sector.
- 3 Assessment information  
All activities and evidence must meet workplace procedures and accepted industry practice.
- 4 Recommended unit standard for entry:  
Unit 27069, *Apply company grade specifications for timber grading*.

## Outcomes and performance criteria

### Outcome 1

Grade structural timber to company grade specifications at an average of 95% accuracy and a minimum 90% accuracy.

Range a minimum of two structural and two downfall company grade specifications.

### Performance criteria

- 1.1 End use of the timber is identified for each company grade specification.
- 1.2 100 full-length pieces of mixed structural and downfall graded timber, containing four company grade specifications, are graded at production rate at a minimum 90% accuracy with a 95% average over three runs.
- 1.3 Size tolerances for the graded timber are checked to ensure they meet company grade specifications.
- 1.4 Commercial values per lineal metre are stated for each company grades specification.
- 1.5 Lengths are docked and/or re-sawn to produce a saleable length at a higher grade or priority grade within the worksite production schedule.
- 1.6 Defects are identified and actioned to maximise grade recovery or priority grades.
- 1.7 Identified process defects are reported to the processing plant.

<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	15 April 2011	31 December 2014
Revision	2	18 April 2013	N/A
Review	3	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.