

Title	Apply company grade specifications for timber grading		
Level	3	Credits	10

Purpose	People credited with this unit standard are able to: manage safety and hazards when grading timber in the workplace; and apply company grade specifications for timber grading.
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Classification	Solid Wood Manufacturing > Timber Grading
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Available grade	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 sawmilling 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.
Docking refers to the squaring of ends of the board or the removing of defects from the end of boards.
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 Range
Competence must be demonstrated for a minimum of six different timber grades that the company is producing. Timber grades must include at least one structural, one appearance, and one cuttings grade. Where the company produces only structural products, appearance grade specifications supplied by the assessor may be used to demonstrate competence for appearance grading. Where the company produces only appearance grade products, structural grade specifications supplied by the assessor may be used to demonstrate competence for structural grading.

- 4 Assessment information
- a Competence for measuring defects may be done on workplace samples or samples supplied by the assessor.
 - b All activities and evidence must meet workplace procedures and accepted industry practice.
- 5 Recommended unit standard for entry:
Unit 27074, *Demonstrate knowledge of timber grading.*

Outcomes and performance criteria

Outcome 1

Manage safety and hazards when grading timber in the workplace.

Performance criteria

- 1.1 Hazards associated with grading timber are identified and managed.
- 1.2 Safe work practices associated with grading timber are applied.
- Range safety practices may include but are not limited to – isolation procedures, lock-outs, emergency stops, machine guarding, wearing of appropriate personal protective equipment; evidence of a minimum of four is required.

Outcome 2

Apply company grade specifications for timber grading.

Performance criteria

- 2.1 A minimum of ten defects for each company grade specification are measured in supplied samples in accordance with company grade specifications.
- 2.2 50 full-length pieces of timber, that contain six different company grade specifications, are graded within 4 minutes at a minimum 90% accuracy in accordance with company grade specifications.
- 2.3 Docking or re-saw options are determined for each graded piece to maximise grade recovery and total value.

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	15 April 2011	N/A
Review	2	23 April 2020	N/A

Consent and Moderation Requirements (CMR) reference	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 if you wish to suggest changes to the content of this unit standard.