

Field Manufacturing

Review of *Solid Wood Manufacturing* unit standards

Subfield	Domain	ID
Solid Wood Manufacturing	Sawmilling	8006, 15764, 20751, 20752, 22984, 23440, 24777, 24778, 27068, 28473
	Timber Grading	5848, 20754, 24605, 24606, 27069, 27070, 27071, 27072, 28116, 28117

Competenz has completed the review of the unit standards listed above.

Date new versions published

April 2020

Planned review date

December 2024

Summary

The review was conducted in conjunction with the review of the qualifications for this sector, and the development of programs later this year leading to the:

- New Zealand Certificate in Solid Wood Manufacturing (Level 2) with strands in Finger Jointing; Laminating; Pole, Post and Pile; Sawmilling; Timber Drying and Treatment; Timber Grading; Timber Machining; and Wood Pallet Manufacturing [Ref 1967],
- New Zealand Certificate in Solid Wood Manufacturing (Level 3) with strands in Finger Jointing; Pole, Post and Pile; Saw Doctoring; Sawmilling; Timber Drying; Timber Grading and Optimising; Timber Machining; and Timber Treatment [Ref: 1969], and
- New Zealand Certificate in Solid Wood Manufacturing (Level 4) with strands in Laminating, Timber Drying, Timber Grading, and Timber Treatment [Ref: 1973].

Competenz took over the responsibility for these unit standards from the Forest Industry Training and Education Council in 2013 as part of the industry training organisation mergers. All feedback received prior to and during the review process was incorporated and endorsed for registration by the Technical Advisory Group in January 2020.

Main changes

- Guidance Information, Outcomes and Performance criteria were updated to reflect current industry practices.
- Title of some unit standards were changed to better align with the outcomes.

Impact on Consent and Moderation Requirements (CMR)

All unit standards were moved to CMR 0013.

Detailed list of unit standards – classification, title, level, and credits

All changes are in **bold**.

Key to review category	
A	Dates changed, but no other changes are made - the new version of the standard carries the same ID and a new version number
B	Changes made, but the overall outcome remains the same - the new version of the standard carries the same ID and a new version number
C	Major changes that necessitate the registration of a replacement standard with a new ID
D	Standard will expire and not be replaced

Manufacturing > Solid Wood Manufacturing > Sawmilling

ID	Title	Level	Credit	Review Category
8006	Maximise timber recovery Maximise timber recovery in sawmill operations	5	25	B
15764	Demonstrate knowledge of sawmill operations	3	15	B
20751	Operate cross cut saw centre Operate a cross cut saw centre	3	5	B
20752	Operate ripping saw centre Operate a ripping saw centre	3	5	B
22984	Troubleshoot sawmill operations	5	20	B
23440	Optimise timber for fibre and grade recovery Optimise timber for fibre and grade recovery when cutting timber	4	15	B
24777	Operate scanning and optimising systems for a machine centre	3	10	B
24778	Set up, monitor, and troubleshoot scanning and optimising systems for a wood sawing machine	5	15	B
27068	Demonstrate knowledge of developing and monitoring a saw centre size control programme	4	5	B
28473	Break down logs in a sawmilling operation	4	30	B

Manufacturing > Solid Wood Manufacturing > Timber Grading

ID	Title	Level	Credit	Review Category
5848	Audit timber grading operations	4	10	B
20754	Demonstrate knowledge of mechanical stress grading of timber	2	5	B
24605	Explain and verify requirements for structural timber	2	10	B
24606	Verify structural timber, analyse test data and complete despatch procedures Verify structural timber, analyse test data, and complete despatch procedures	4	20	B
27069	Apply company grade specifications for timber grading	3	10	B
27070	Demonstrate knowledge of specifications for timber grading	3	15	B
27071	Grade structural timber to company grade specifications at an average of 95% accuracy and a minimum 90% accuracy	4	10	B
27072	Grade appearance and cuttings to company grade specifications at an average of 95% and a minimum 90% accuracy	4	10	B
28116	Operate a mechanical stress grading machine to grade timber Operate a machine stress grader	3	10	B
28117	Monitor performance of a mechanical stress grading machine Monitor performance of a machine stress grader	4	10	B