

Field Manufacturing

Review of *Solid Wood Manufacturing* unit standards

Subfield	Domain	ID
Solid Wood Manufacturing	Finger Jointing	4544, 4546, 4547, 15055, 15058, 15060, 15061, 20772, 21763, 22985-22987, 28115
	Timber Machining	675, 676, 678, 681, 682, 684, 685, 688-690, 8009, 8010, 15772, 15775, 17959, 17960, 19719, 22989, 23105

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

Date new versions published

June 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 programmes 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 stockholders in the sector have been either consulted or communicated with.

All feedback received prior to and during the review process was incorporated and endorsed for registration by the Technical Advisory Group in March 2020.

Main changes

- Unit standards 685, 15061, 15772, 21763, and 22987 were set to expire as they are no longer required.
- Guidance Information, Outcomes, and Performance criteria were updated to reflect current industry practices in wood manufacturing industry sector.
- One new unit standard was developed to meet the specific needs of the finger jointing sector.
- Titles of unit standards 4544 and 20772 were amended to align with the outcomes.
- A last date for assessment was set for earlier superseded versions of some Category B unit standards.
- Unit standards were updated to align with current template.

Category D unit standards will expire at the end of December 2020 and December 2022

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 > Finger Jointing

ID	Title	Level	Credit	Review Category
4544	Clean engineered wood product equipment Clean engineered wood product equipment and machinery	2	3	B
4546	Feed and tail out finger jointer	3	6	B
4547	Coordinate finger jointer operations in solid wood manufacturing	4	20	B
15055	Demonstrate knowledge of the principles of finger jointing in solid wood manufacturing	2	5	B
15058	Test finger jointed product in solid wood manufacturing	3	10	B
15060	Maintain finger jointer cutterhead in solid wood manufacturing	4	10	B
15061	Grind finger jointer cutterhead in solid wood manufacturing	4	15	D
20772	Set up face-to-face finger jointer for solid wood manufacturing Set up finger jointer for solid wood manufacturing	4	15	B
21763	Set up edge-to-edge finger jointer for solid wood manufacturing	4	15	D
22985	Explain technical aspects of tooling and machinery for finger jointing	3	10	B
22986	Identify, diagnose and rectify finger jointed product defects	4	25	B
22987	Evaluate finger jointer performance variables	5	35	D
28115	Set up finger jointer for wood product manufacturing	3	8	B
32151	Demonstrate knowledge of grinding finger jointer cutterhead in solid wood manufacturing	3	3	New

Manufacturing > Solid Wood Manufacturing > Timber Machining

ID	Title	Level	Credit	Review Category
675	Set up a timber planer for dress four sides	3	20	B
676	Set up timber planer for profile	4	30	B
678	Feed and tail out a planer, and monitor planer performance	3	5	B
681	Joint straight cutters	3	5	B
682	Joint profile cutters	3	5	B
684	Grind and hone straight cutters	3	5	B

ID	Title	Level	Credit	Review Category
685	Grind and hone straight cutters in-head	3	3	D
688	Make profile cutter templates	4	15	B
689	Set cutters into cutterheads	3	10	B
690	Make straight cutters	2	3	B
8009	Explain and calculate costing of timber machining operations	4	4	B
8010	Set cutterhead spindle positions using data from a calibrated measuring device	4	5	B
15772	Manage planer operations, and tooling and profile systems	5	35	D
15775	Inspect and maintain a wood forming machine	3	15	B
17959	Apply calculations for operating and maintaining wood forming machines	4	10	B
17960	Perform basic calculations for the operation of wood forming machines and grinders	2	5	B
19719	Identify, diagnose and rectify machined product defects	4	25	B
22989	Operate a planing system in wood manufacturing	3	15	B
23105	Develop profile, and grind and hone profile cutters in-head	4	25	B