

Field Manufacturing

Review of *Solid Wood Manufacturing* unit standards

Subfield	Domain	ID
Solid Wood Manufacturing	Laminated Veneer Lumber and Plywood Manufacturing	712, 713, 715, 725, 726, 727, 5147, 19723, 21478-21481, 23158
	Overlay Bonding	721, 722, 18761
	Wood Product Manufacturing Skills	4548, 15059, 17203, 17964, 18963, 18967, 18968, 20027, 20768 , 20771

Competenz has completed the review of the unit standards listed above. The unit standard in **bold** has been re-instated.

Date new versions published

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

Main changes

- Guidance Information, Outcomes, and Performance criteria were updated to reflect current industry practices in wood manufacturing industry sector.
- Titles of some standards were amended to align with the outcomes.
- One new unit standard was developed to meet the specific needs of the timber drying and treatment sector.
- Unit standards were updated to align with current template.
- Unit 20768 was re-instated with an updated title because of industry demand as the use of adhesives in the production of wood products has increased and there is an increased need to properly train staff on use, handling, and storing of adhesives.
- Last dates for assessment for earlier versions of unit standards 15059, 17203, and 20027 were set.

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 > Laminated Veneer Lumber and Plywood Manufacturing

ID	Title	Level	Credit	Review Category
712	Coordinate infeed of bolts for laminated veneer lumber and plywood manufacture	3	5	B
713	Grade veneers for laminated veneer lumber and plywood manufacture Assess veneer defects and grade veneers for laminated veneer lumber and plywood manufacture	3	5	B
715	Compose veneers for laminated veneer lumber and plywood manufacture	4	10	B
725	Peel logs into veneers for laminated veneer lumber and plywood manufacture	4	15	B
726	Clip and stack laminated veneer lumber and plywood veneers	3	5	B
727	Grade laminated veneer lumber and plywood panels Assess panel defects, and grade and sort laminated veneer lumber and plywood panels	4	10	B
5147	Scarf veneers for laminated veneer lumber and plywood manufacture	4	10	B
19723	Condition logs for peeling for laminated veneer lumber and plywood manufacture	4	5	B
21478	Troubleshoot laminated veneer lumber and plywood panel manufacture Analyse a manufacturing process and troubleshoot a quality problem in LVL and plywood panel manufacture	5	30	B
21479	Demonstrate knowledge of technology and processes for laminated veneer lumber and plywood manufacture	3	10	B
21480	Demonstrate knowledge of veneer preparation for laminated veneer lumber and plywood manufacture	3	10	B
21481	Lay up veneer for laminated veneer lumber and plywood manufacture	4	10	B
23158	Dry wood veneer for laminated veneer lumber and plywood manufacture	4	10	B

Manufacturing > Solid Wood Manufacturing > Overlay Bonding

ID	Title	Level	Credit	Review Category
721	Bond overlays to wood panel substrates using an overlay press	4	20	B
722	Manage technical aspects of overlay bonding operations for wood panels manufacturing Identify materials, establish operating parameters, and solve bonding problems in overlay bonding operations	5	15	B

ID	Title	Level	Credit	Review Category
18761	Assemble raw materials for production of overlay bonding products from a production schedule	4	15	B

Manufacturing > Solid Wood Manufacturing > Timber Drying and Treatment

ID	Title	Level	Credit	Review Category
32240	Manage a timber drying kiln plant	4	35	New

Manufacturing > Solid Wood Manufacturing > Wood Product Manufacturing Skills

ID	Title	Level	Credit	Review Category
4548	Laminate straight timber for wood product manufacturing	3	8	B
15059	Test laminated product in wood product manufacturing	4	10	B
17203	Sand wood products for wood product manufacturing	3	3	B
17964	Demonstrate knowledge of the wood product manufacturing industry	2	5	B
18963	Manually assemble wood packaging products	2	3	B
18967	Use and maintain portable nail or staple guns in the manufacture of wood products	2	3	B
18968	Paint wood products using conventional spray techniques	2	3	B
20027	Interpret wood product specifications and establish worksite implementation	4	10	B
20768	Explain adhesive use in wood product manufacturing Demonstrate knowledge of adhesive use in wood product manufacturing	3	10	Reinstated
20771	Laminate curved products for wood product manufacturing	4	10	B