

**Field      Manufacturing**

**Review of *Wood Manufacturing - Generic Skills* unit standards**

<b>Subfield</b>	<b>Domain</b>	<b>ID</b>
Wood Manufacturing - Generic Skills	Wood Manufacturing Coordination	19720, 20773, 20774, 22980, 22981, 27073
	Wood Manufacturing Foundation Skills	155, 156, 159, 160, 162, 729, 736, 5634, 5638, 5655, 5847, 8008, 15774, 16244, 17862, 17869- 17971, 19794, 19795, 20767, 22969, 22970, 22972-22975, 22977, 22978, 22988, 27074, 27773, 27917, 28156

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

**Date new versions published**

**May 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 January 2020.

**Main changes**

- Unit standards 20773 and 20774 were set to expire without replacement as they are no longer required.
- Guidance Information, Outcomes and Performance criteria were updated to reflect current industry practices in wood manufacturing industry sector.
- Credits for unit standards 15774 and 20767 were changed to reflect the time required to acquire the required skills and knowledge.
- Titles of some unit standards were amended to align with the outcomes.
- The last date for assessment was set for superseded versions of some Category B unit standards (except the most recent) to December 2020.

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

## 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	
<b>A</b>	Dates changed, but no other changes are made - the new version of the standard carries the same ID and a new version number
<b>B</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
<b>C</b>	Major changes that necessitate the registration of a replacement standard with a new ID
<b>D</b>	Standard will expire and not be replaced

#### Manufacturing > Wood Manufacturing - Generic Skills > Wood Manufacturing Coordination

ID	Title	Level	Credit	Review Category
19720	Manage maintenance of technical plant in wood manufacturing <b>Manage maintenance of technical plant and related pressure and electronic systems in wood manufacturing</b>	5	30	B
20773	Plan wood manufacturing operations	5	20	D
20774	Coordinate wood manufacturing operations	5	25	D
22980	Explain production planning and control procedures used in a wood manufacturing operation <b>Explain production planning and control processes used in a wood manufacturing operation</b>	4	5	B
22981	Analyse customers' complaints and take corrective actions wood manufacturing <b>Analyse customers' complaints and take corrective actions in a wood manufacturing operation</b>	4	10	B
27073	Lead an investigation into wood manufacturing production issues	4	15	B

#### Manufacturing > Wood Manufacturing - Generic Skills > Wood Manufacturing Foundation Skills

ID	Title	Level	Credit	Review Category
155	Demonstrate knowledge of the properties of wood <b>Demonstrate knowledge of properties of wood</b>	3	10	B
156	Demonstrate knowledge of phytosanitary standards in the wood manufacturing industry	2	3	B
159	Demonstrate knowledge of environmental issues in wood manufacturing industries	2	5	B
160	Demonstrate knowledge of the principles of sawmilling	2	7	B
162	Demonstrate knowledge of the principles of wood drying	2	5	B
729	Measure moisture content of wood products	2	5	B
736	Demonstrate knowledge of physical characteristics of wood	2	5	B
5634	Demonstrate knowledge of workplace health and safety in the wood manufacturing industries <b>Demonstrate knowledge of workplace health and safety in wood manufacturing industries</b>	2	3	B

ID	Title	Level	Credit	Review Category
5638	Demonstrate knowledge of principles of quality systems in the wood manufacturing industries <b>Demonstrate knowledge of principles of quality management systems in wood manufacturing industries</b>	2	5	B
5655	Demonstrate knowledge of pumps and valves used in wood manufacturing industries	3	5	B
5847	Demonstrate knowledge of timber yard operations	2	5	B
8008	Demonstrate knowledge of log yard operations	2	5	B
15774	Demonstrate knowledge of timber machining	2	5 6	B
16244	Demonstrate knowledge of wood preservation	2	5	B
17862	Demonstrate knowledge of mechanical engineering systems used in wood manufacturing industries	3	10	B
17869	Demonstrate knowledge of fundamentals of process controls used in wood manufacturing industries	3	10	B
17970	Apply wood manufacturing cost factors <b>Calculate yield, and identify and explain cost factors for a wood manufacturing operation</b>	4	15	B
17971	Demonstrate knowledge of the solid wood manufacturing industry	2	5	B
19794	Demonstrate knowledge of business basics in the wood manufacturing industry	3	5	B
19795	Analyse a budget in a wood manufacturing workplace	3	5	B
20767	Demonstrate knowledge of saws and knives used in wood manufacturing	2	5 6	B
22969	Take and record measurements and make calculations in wood manufacturing	2	3	B
22970	Demonstrate employment and interrelationship foundation skills in a wood manufacturing operation	2	10	B
22972	Describe techniques used on a wood manufacturing worksite to monitor and control product quality <b>Demonstrate knowledge of monitoring and control of product quality in a wood manufacturing workplace</b>	3	8	B
22973	Demonstrate knowledge of factors that affect the performance of wood manufacturing workers <b>Demonstrate knowledge of factors that affect the performance of workers in a wood manufacturing operation</b>	2	10	B
22974	Participate, with technical support, in the investigation of wood manufacturing production issues <b>Participate in the investigation of production issues in wood manufacturing production operations</b>	3	10	B
22975	Maintain and take care of process consumables in a wood manufacturing operation <b>Maintain process consumables in a wood manufacturing operation</b>	2	5	B
22977	Demonstrate knowledge of workplace risks in a wood manufacturing operation	2	5	B
22978	Demonstrate knowledge of wood product quality	2	5	B

ID	Title	Level	Credit	Review Category
22988	Handle and store manufactured wood products for further processing <b>Handle manufactured wood products using a mobile plant and store for further processing</b>	3	8	B
27074	Demonstrate knowledge of timber grading	2	5	B
27773	Demonstrate knowledge of fire awareness in a wood panel manufacturing environment <b>Demonstrate knowledge of fire awareness in a wood manufacturing site</b>	2	8	B
27917	Apply workplace health and safety in a wood manufacturing operation	3	6	B
28156	Demonstrate knowledge of the wood pallet manufacturing industry	2	15	B