

**Field      Manufacturing**

**Review of *Solid Wood Manufacturing* unit standards**

<b>Subfield</b>	<b>Domain</b>	<b>ID</b>
Solid Wood Manufacturing	Saw Doctoring	652-656, 662, 669, 670, 672-674, 5844, 5845, 8337, 15758-15760, 15762, 15763, 17962, 17967-17969, 23439, 27067

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

**Date new versions published**

**September 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 5845, 23439, and 27067 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 the wood manufacturing industry sector.
- Credits for unit standards 672 and 673 were decreased to better reflect the time required for learning and assessment.
- Some titles were amended to better reflect outcomes.
- Last dates for assessment of Category D standards were set. Different dates were set depending on whether the standard is being used in programmes.
- Last dates for assessment of superseded versions of older versions of some Category B standards were specified.

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

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

All changes are in **bold**.

<b>Key to review category</b>	
<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 > Solid Wood Manufacturing > Saw Doctoring

<b>ID</b>	<b>Title</b>	<b>Level</b>	<b>Credit</b>	<b>Review Category</b>
652	Weld wide bandsaws	4	15	B
653	Bench bandsaws	4	20	B
654	Bench circular saws	4	20	B
655	Swage and shape a saw	4	10	B
656	Set circular saws	2	3	B
662	Grind and hone straight knives and anvils	3	5	B
669	Demonstrate knowledge of grinding wheels and fluids	2	5	B
670	Maintain a wood chipping machine	4	10	B
672	Maintain and align bandsaw centre	4	20 <b>15</b>	B
673	Maintain and align circular saw centre	4	20 <b>15</b>	B
674	Grind bandwheels	4	10	B
5844	Tip circular saw teeth and profile circular saw tips <b>Tip circular saw teeth</b>	4	15	B
5845	Manage technical aspects of saw doctoring operations	5	20	D
8337	Tip saw teeth with stellite or high speed steel <b>Tip saw teeth with stellite or high-speed steel</b>	4	10	B
15758	Sharpen bandsaws	3	15	B
15759	Sharpen circular saws	3	15	B
15760	Tooth circular saws	3	5	B
15762	Demonstrate knowledge of the alignment of bandsaw and circular rip saw centres	3	5	B
15763	Demonstrate knowledge of the grinding of bandwheels	3	5	B
17962	Demonstrate knowledge of saw tooth profiles in saw doctoring	3	5	B
17967	Demonstrate knowledge of saw grinder application and operation	3	5	B
17968	Apply advanced calculations for saw doctoring	4	10	B
17969	Perform basic saw doctoring calculations <b>Perform basic calculations for saw doctoring</b>	2	5	B
23439	Identify, diagnose, and rectify saw centre problems	5	25	D
27067	Set up and maintain guides	4	10	D