

Field Manufacturing**Review and revision of *Manufacturing* unit standards**

Subfield	Domain	ID
Solid Wood Manufacturing	Finger Jointing	4546
	Sawmilling	15765, 15767, 20752, 20753, 23440
	Timber Drying and Treatment	738, 21758, 23437
	Timber Grading	24605, 27070, 27071, 27072
	Wood Product Manufacturing Skills	4551, 20768, 20769, 21764
Wood Handling and Distribution	Wood Preparation	20760
Wood Manufacturing – Generic Skills	Wood Manufacturing Foundation Skills	160, 15774, 27074

The Forest Industries Education and Training Council (FITEC) has completed the review and revision of the unit standards listed above. The unit standards shown in **bold** above have been revised.

Date new versions published

April 2013

Planned review date (reviewed unit standards)

December 2017

Planned review date (revised unit standards)

**December 2015
(unchanged)**

Summary for reviewed unit standards

This review was prompted by feedback from industry on changes required to ensure the unit standards meet the current needs of industry. The feedback was received during consultation undertaken for the Targeted Review of Qualifications. The review did not include other standards within these domains, these will be reviewed later when resources and time are available for their review.

FITEC consulted with relevant industry sector representatives to ensure the unit standards were fit for purpose and met industry requirements.

Main changes

- The credits allocated to unit standards 160, 20769, 23437 and 24605 were amended to reflect changes and to more accurately reflect the time taken for learners to complete them.
- The titles of unit standards 20769, 23440, and 24605 were amended to reflect changes and to better reflect the content of the unit standards.
- The level of unit standard 20760 was increased from level 2 to level 3 to align better with level descriptors.
- Explanatory notes were updated for consistency.
- Outcomes, evidence requirements and ranges were amended to clarify meaning, and to ensure relevance and consistency.

- Four unit standards were designated expiring and will not be replaced.

Category D unit standards will expire at the end of December 2015

Summary for revised unit standards

Feedback from worksites, assessors, and providers who use FITEC unit standards has prompted the revision of these unit standards. Industry subject matter experts were consulted on the changes made to the unit standards and have endorsed these changes.

Main changes

- Outcomes, evidence requirements and ranges were amended to clarify meaning, and to ensure relevance and consistency.
- The titles of unit standards 27071 and 27072 were amended to reflect changes made.

Impact on existing organisations with consent to assess

Current consent for			Consent extended to		
Nature of consent	Classification or ID	Level	Nature of consent	Classification or ID	Level
Domain	Wood Preparation	2	Standard	20760	3

Impact on registered qualifications

Key to type of impact	
Affected	The qualification lists a reviewed classification (domain or subfield) in an elective set The qualification lists a standard that has changes to level or credits The qualification lists a C or D category standard
Not materially affected	The qualification lists a standard that has a new title The qualification lists a standard that has a new classification

The following FITEC qualifications are impacted by the outcome of this review and revision and will be updated when they are reviewed 2013. The classifications and/or standards that generated the status *Affected* are listed in **bold**.

Ref	Qualification Title	Classification or ID
0908	National Certificate in Forest Produce Inspection	160
1304	National Certificate in Wood Manufacturing - Generic Skills (Workplace Safety and Operations) (Level 2)	160
1307	National Certificate in Solid Wood Manufacturing (Advanced) with strands in Saw Doctoring, Sawmilling, Timber Drying, Timber Grading, and Timber Treatment	23440, 27071, 27072,
1308	National Certificate in Wood Handling and Distribution (Level 3) with strands in Log Yard and Wood Preparation, and Timber Yarding and Despatch	20760
1309	National Certificate in Wood Fibre Manufacturing (Wood Panels) (Level 3) with strands in Composite Panel Preparation, Composite Panel Forming and Pressing, Composite Panel Finishing, Overlay Bonding Operations, Laminated Veneer Lumber (LVL) and Plywood Operations, and Veneer Preparation	4551, 20768, 21764
1690	National Certificate in Solid Wood Manufacturing (Level 2) with strands in Defecting; Finger Jointing and Laminating; Pole, Post and Pile; Saw Doctoring Principles; Sawmilling; Timber Drying and Treatment; and Timber Machining	160
1691	National Certificate in Wood Manufacturing Foundation Skills (Wood Panels) (Level 2)	20760
1693	National Certificate in Solid Wood Manufacturing (Level 3) with strands in Engineered Wood Product Operations; Planer Operations; Pole, Post and Pile Operations; Saw Doctoring Operations; Sawmilling Operations; Timber Drying Operations; Timber Grading; and Timber Treatment Operations	4551, 20753, 20768, 20769, 21764, 23437, 23440, 24605

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

All changes are in **bold**.

Reviewed unit standards

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
4546	Feed and tail out finger jointer	3	5	B

Manufacturing > Solid Wood Manufacturing > Sawmilling

ID	Title	Level	Credit	Review Category
15765	Break down logs using manual or semi-automated systems and a log carriage	4	30	B

ID	Title	Level	Credit	Review Category
15767	Break down logs using fully automatic systems and centre line log feed system	4	15	B
20752	Operate ripping saw centre	3	5	B
20753	Optimise resawing timber for fibre and grade recovery	4	20	D
23440	Optimise docking and trimming timber for fibre and grade recovery Optimise timber for fibre and grade recovery	4	15	B

Manufacturing > Solid Wood Manufacturing > Timber Drying and Treatment

ID	Title	Level	Credit	Review Category
738	Kiln dry timber	4	25	B
21758	Explain wood drying, determine wood moisture content and establish equipment correction factor	3	10	B
23437	Monitor, lubricate, and maintain timber kiln components	4	10 15	B

Manufacturing > Solid Wood Manufacturing > Timber Grading

ID	Title	Level	Credit	Review Category
24605	Explain the verification requirements for structural timber Explain and verify requirements for structural timber	2	5 10	B

Manufacturing > Solid Wood Manufacturing > Wood Product Manufacturing Skills

ID	Title	Level	Credit	Review Category
4551	Set up and operate a multi-rip machine centre in wood product manufacturing	3	5	D
20768	Explain adhesive use in wood product manufacturing	3	10	D
20769	Control automatic glue mixing systems for wood product manufacturing Control glue systems for wood product manufacturing	4	10 15	B
21764	Carry out procedures for gluing in wood product manufacturing	3	8	D

Manufacturing > Wood Handling and Distribution > Wood Preparation

ID	Title	Level	Credit	Review Category
20760	Monitor and control contamination in wood chip and wood fibre materials	2 3	7	B

Manufacturing > Wood Manufacturing – Generic Skills > Wood Manufacturing Foundation Skills

ID	Title	Level	Credit	Review Category
160	Demonstrate knowledge of the principles of sawmilling	2	5 7	B
15774	Demonstrate knowledge of timber machining	2	5	B

Revised unit standards

Manufacturing > Solid Wood Manufacturing > Timber Grading

ID	Title	Level	Credit
27070	Demonstrate knowledge of specifications for timber grading	3	15
27071	Grade structural timber to company grade specifications at a minimum 95% accuracy Grade structural timber to company grade specifications at an average of 95% accuracy and a minimum 90% accuracy	4	10
27072	Grade appearance and cuttings to company grade specifications at a minimum 95% accuracy Grade appearance and cuttings to company grade specifications at an average of 95% accuracy and a minimum 90% accuracy	4	10

Manufacturing > Wood Manufacturing – Generic Skills > Wood Manufacturing Foundation Skills

ID	Title	Level	Credit
27074	Demonstrate knowledge of timber grading	2	5