



**Australian Government**

# **FWP30322 Certificate III in Timber and Wood Products Operations**

**Release 1**

# FWP30322 Certificate III in Timber and Wood Products Operations

## Modification History

Release	Comments
Release 1	This version released with FWP Forest and Wood Products Training Package Version 8.0.

## Qualification Description

This qualification describes the skills and knowledge required by people who work in production level jobs in timber or wood product production facilities.

Individuals with this qualification apply specialised skills and knowledge to perform a variety of production roles. These include generic workplace skills in areas such as maintaining personal and team performance, problem solving and complying with health and safety, quality and chain of custody and environmental protection standards. In addition, people working at this level also hold specialised technical skills in areas such as equipment operation and maintenance, process monitoring, product testing and grading. These individuals also understand the production process and workflow in timber or wood products production environments.

At this level, workers complete tasks under limited supervision and collaborate with others to meet productivity requirements.

This qualification includes specialisations in:

- Timber Production
- Glue Laminated Timber or Cross Laminated Timber Production
- Plywood or Laminated Veneer Lumber Production
- Reconstituted Wood Panel Production.

No licensing, legislative or certification requirements apply to this qualification at the time of publication.

## Entry Requirements

There are no entry requirements for this qualification.

## Packaging Rules

To achieve this qualification, competency must be demonstrated in:

- 13 units of competency:

- 2 core units
- 11 elective units.

Elective units must ensure the integrity of the alignment between the qualification and the Australian Qualifications Framework (AQF) and contribute to a valid, industry supported vocational outcome. Electives can be chosen to provide a general qualification or a qualification with a specialisation.

For the award of the *FWP30322 Certificate III in Timber and Wood Products Operations* choose:

- at least 5 units from the electives in Group A
- at least 4 units from the electives in Groups B to H
- remaining units can be selected from Groups A to H and can include up to 2 units from any currently endorsed Training Package or accredited course.

For the award of the *FWP30322 Certificate III in Timber and Wood Products Operations (Timber Production)* choose:

- at least 5 units from the electives in Group A
- at least 4 units from the electives in Groups B and/or G
- remaining units can be selected from Groups A to H and can include up to 2 units from any currently endorsed Training Package or accredited course.

For the award of the *FWP30322 Certificate III in Timber and Wood Products Operations (Glue Laminated Timber or Cross Laminated Timber Production)* choose:

- at least 5 units from the electives in Group A
- 1 unit from the electives in Group C
- at least 3 units from the electives in Groups G
- remaining units can be selected from Groups A to H and can include up to 2 units from any currently endorsed Training Package or accredited course.

For the award of the *FWP30322 Certificate III in Timber and Wood Products Operations (Plywood or Laminated Veneer Lumber Production)* choose:

- at least 5 units from the electives in Group A
- 2 units from the electives in Groups D
- at least 2 units from the electives in Group G
- remaining units can be selected from Groups A to H and can include up to 2 units from any currently endorsed Training Package or accredited course.

For the award of the *FWP30322 Certificate III in Timber and Wood Products Operations (Reconstituted Wood Panel Production)* choose:

- at least 5 units from the electives in Group A
- 1 unit from the electives in Group E
- at least 3 units from the electives in Group G
- remaining units can be selected from Groups A to H and can include up to 2 units from any currently endorsed Training Package or accredited course.

## Core Units

FWPCOR3205	Apply safety, health and environmental requirements in forest and wood products operations
FWPCOT3322	Apply quality and product care procedures in forest and wood products operations

## Elective Units

### Group A: Quality processes

#### Production effectiveness

BSBXTW301	Work in a team
FWPCOR2208	Communicate and interact effectively in the forest and wood products industry
MSMOPS212	Use organisation computers or data systems
MSMSUP200	Achieve work outcomes

#### Competitive systems and practices

MSMSUP291	Participate in continuous improvement
MSMSUP390	Use structured problem-solving tools
MSS402042	Apply 5S procedures

#### Process monitoring

FWPCOT3323	Assess wood materials visually
MSMSUP230	Monitor process operations

#### Equipment maintenance

FWPCOT3335	Conduct operator level equipment maintenance in forest and wood products industry
MSMSUP240	Undertake minor maintenance
MSMSUP303	Identify equipment faults

#### Chain of custody

FWPCOT3345	Develop knowledge of chain of custody certification requirements for forest and wood products
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**Grading and testing**

FWPCOT2249	Visually stress grade hardwood
FWPCOT2250	Visually stress grade softwood
FWPCOT2251	Visually stress grade cypress
FWPCOT3270	Grade and mark logs
FWPCOT3339	Grade wood product visually
FWPTMM421 3	Test finger jointed timber
FWPTMM421 4	Test laminated wood product
MSL973022	Conduct laboratory-based acceptance tests for construction materials
MSMSUP292	Sample and test materials and product

**Group B: Timber production****Product and process optimisation**

FWPCOT3290	Apply knowledge of timber properties, sawmill operations and sawmilling equipment
FWPCOT3291	Apply principles of timber and process optimisation in sawmill operations
FWPCOT3292	Calibrate and maintain scanning equipment used in sawmilling operations
FWPCOT3293	Use scanning equipment for timber grading

**Log sawing**

FWPSAW3254	Control and monitor automated green mill saw line
FWPSAW3255	Operate conventional log breakdown saw line
FWPSAW3256	Select and saw logs in multi-species operations

**Timber stacking**

FWPCOT3297	Operate automated stacking equipment
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FWPCOT3320	Build and maintain timber stacks
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**Timber drying**

FWPSAW3257	Operate timber drying kiln
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**Saw knives and blades maintenance**

FWPCOT3271	Hand sharpen knives and blades for commercial and domestic cutting services
FWPCOT3276	Sharpen cutters using a straight knife grinder
FWPCOT3280	Replace saw blades, knives and guides
FWPCOT3282	Assess and maintain saw blade and sawing machine performance
FWPCOT3283	Sharpen and position blades or knives in chipper, canter and reducer
FWPCOT3295	Assess and maintain cutter performance
FWPSAW3233	Sharpen circular saw blades
FWPSAW3234	File and set saw blades for hand saws and circular saws

**Group C:** *Glue laminated timber or cross laminated timber production*

FWPTMM3220	Develop knowledge of glue laminated timber or cross laminated timber production
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**Group D:** *Plywood or laminated veneer lumber production*

FWPTMM3217	Develop knowledge of plywood or laminated veneer lumber production
FWPTMM3218	Develop knowledge of veneer preparation in plywood or laminated veneer lumber production

**Group E:** *Reconstituted wood panel production*

FWPTMM3219	Develop knowledge of reconstituted wood panel production
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**Group F: Other wood products operations****Wood chips**

FWPCOT3341	Coordinate and monitor wood chip stockpile
FWPCOT3342	Screen wood chips
FWPCOT3343	Test wood chips quality
FWPCOT3344	Transfer wood chips

**Wood pallets**

FWPCOT2257	Use hand-held tools
FWPCOT2258	Assemble products

**Prefabricated timber building systems**

FWPTMM320 8	Apply critical workplace processes in the manufacture of prefabricated timber building systems
FWPTMM320 9	Install prefabricated timber building systems on-site

**Group G: Common electives****Log yard**

AHCMOM207	Conduct front-end loader operations
FWPCOT3340	Develop knowledge of log yard operations
TLID2022	Conduct weighbridge operations

**Timber preservation**

FWPSAW3242	Treat timber
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**Finger jointing**

FWPCOT3336	Coordinate set up and operation of timber finger jointing line
FWPCOT3337	Operate timber finger jointing line

**Gluing**

FWPCOT3338	Identify glues and gluing systems used in production of wood products
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### Dressing

FWPCOT2244	Operate and maintain a thicknesser
FWPCOT3272	Set up and run multi-head moulder/planer to produce simple profiles
FWPCOT3273	Set up and run multi-head moulder to produce complex profiles
FWPTMM220 4	Machine material
FWPTMM321 6	Plane and sand engineered wood product

### Cutting to dimensions

FWPCOT2263	Cross cut materials with a fixed saw
FWPCOT2268	Cut timber or engineered wood product to length or dimensions
FWPCOT2269	Operate and maintain a table saw
FWPCOT3274	Cut timber products using high-speed optimiser
FWPSAW3253	Re-saw green timber
FWPTMM220 5	Cut material to length and angles

### Machining

FWPCOT2262	Cut material to shape using a saw
FWPCOT3275	Set up, operate and maintain end matching machines
FWPCOT3299	Cut timber or engineered wood product to profile
FWPTMM321 1	Manufacture using joinery machines

### CNC machining

FWPCOT3289	Load and prove operating program for CNC machine
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FWPCOT3331	Cut material using CNC sizing machines
FWPCOT3332	Machine timber or engineered wood products using CNC machining and processing centres

### Load handling

AHCMOM207	Conduct front-end loader operations
AHCMOM208	Conduct excavator operations
AHCMOM209	Conduct dozer operations
TLID0015	Load and unload goods/cargo
TLID0020	Shift materials safely using manual handling methods
TLID3011	Conduct specialised forklift operations
TLILIC0003	Licence to operate a forklift truck

### Energy generation

FWPCOT3333	Conduct heat plant operations
FWPCOT3334	Conduct steam boiler operations

### Storage and despatch

FWPCOT3310	Prepare timber or related products to meet import/export compliance requirements
FWPCOT4211	Monitor stock control procedures
TLIA0015	Organise receipt and despatch operations

### Waste management

CPPWMT3002	Conduct waste resource recovery
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### Group H: Other electives

FWPCOT3302	Access and provide timber and wood product information
FWPCOT3312	Implement environmentally sustainable work practices in the work area/work site
FWPCOT3325	Operate four wheel drive vehicle on unsealed roads

FWPCOT3326	Recover four wheel drive vehicle
FWPCOT3327	Contribute to energy efficiency in the forest and wood products industry
FWPCOT3328	Operate four wheel drive vehicle in a towing situation
FWPCOT3346	Communicate effectively with general public or stakeholders concerned about forest practices
FWPSAW3252	Assemble, operate and dismantle a portable sawmill
TLIF0009	Ensure the safety of transport activities (Chain of Responsibility)
HLTAID011	Provide First Aid

## Qualification Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
FWP30322 Certificate III in Timber and Wood Products Operations	FWP30316 Certificate III in Sawmilling and Processing	Qualification merged with FWP30516 Certificate III in Timber Manufactured Products  Title changed  Revised packaging rules and created specialisations to better reflect outcomes  Reduced the number of core units  Revised the structure (groups) of the elective units  Imported elective units from other training packages  Added new units and revised existing units	Not equivalent
FWP30322 Certificate III in	FWP30516 Certificate III in	Qualification merged with FWP30316 Certificate III	Not equivalent

Code and title current version	Code and title previous version	Comments	Equivalence status
Timber and Wood Products Operations	Timber Manufactured Products	<p>in Sawmilling and Processing</p> <p>Title changed</p> <p>Revised packaging rules and created specialisations to better reflect outcomes</p> <p>Reduced the number of core units</p> <p>Revised the structure (groups) of the elective units</p> <p>Imported elective units from other training packages</p> <p>Added new units and revised existing units</p>	

## Links

Companion Volumes, including Implementation Guides, are available at VETNet: - <https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=0d96fe23-5747-4c01-9d6f-3509ff8d3d47>