



**Australian Government**

# **FWP40222 Certificate IV in Timber and Wood Products Operations**

**Release 2**

# FWP40222 Certificate IV in Timber and Wood Products Operations

## Modification History

Release	Comments
Release 2	This version released with FWP Forest and Wood Products Training Package Version 8.1.
Release 1	This version released with FWP Forest and Wood Products Training Package Version 8.0.

## Qualification Description

This qualification reflects the skills and knowledge of people who work as production supervisors and technicians in a timber or wood products production facility.

Individuals with this qualification apply a broad range of advanced technical and supervisory skills. These include knowledge of timber or wood products production processes and the skills required to manage technical operations, address production issues, maintain individual and team performance, maintain equipment for stable and continuous operations, monitor health and safety, quality and environmental protection requirements in timber or wood products production facilities.

At this level, individuals are expected to work autonomously, exercise judgement in making workplace decisions, take responsibility for their own outputs at the workplace and supervise the work of others.

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:

- 12 units of competency consisting of 12 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. The electives are to be chosen as follows:

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

### Elective Units

An asterisk (\*) next to the unit code indicates that there are prerequisite requirements which must be met when packaging the qualification. Please refer to the Prerequisite requirements table for details.

#### Group A: Safety

BSBWHS515	Lead initial response to and investigate WHS incidents
FWPCOR4204	Monitor safety, health and environmental requirements in forest and wood products operations
HLTAID016	Manage first aid services and resources
TLIF0014	Monitor the safety of transport activities (Chain of Responsibility)

#### Group B: Quality systems

##### Competitive systems and practices

BSBSTR402	Implement continuous improvement
FWPCOT4213	Monitor and manage product and service quality in the forest and wood products industry
MSS402042	Apply 5S procedures
MSS403003	Contribute to improvements in competitive systems and practices
MSS403012	Facilitate change in a competitive systems and practices environment
MSS403022	Facilitate a Just in Time system
MSS404056	Apply statistics to operational processes
MSS405055	Manage application of Six Sigma for process control and improvement

MSS407026	Lead a process to determine and solve root cause for a complex problem
MSS407029	Improve visual management in the workplace

### Chain of Custody

FWPCOT4223	Assess requirements of chain of custody certification scheme for forest and wood products
FWPCOT4224	Conduct internal audit of chain of custody certification for forest and wood products

### Plant and equipment maintenance

AHCMOM402	Supervise maintenance of property, machinery and equipment
FWPCOT3282	Assess and maintain saw blade and sawing machine performance
FWPCOT3295	Assess and maintain cutter performance
FWPCOT4225	Apply principles of pneumatics and hydraulics to analyse potential equipment failures

### Grading and testing

FWPTMM421 3	Test finger jointed timber
FWPTMM421 4	Test laminated wood product
MSL973022	Conduct laboratory-based acceptance tests for construction materials

## Group C: Operations management

### Timber production optimisation

FWPCOT3291	Apply principles of timber and process optimisation in sawmill operations
FWPSAW4206	Monitor output timber for optimum volume and value recovery
FWPSAW4207	Optimise timber production for volume and value

	recovery
--	----------

### Production supervision

FWPCOT4221	Plan for and supervise log yard operations
FWPCOT4222	Plan for and supervise timber treatment plant operations
FWPSAW4208	Plan for and coordinate timber kiln drying operations
FWPSAW4209	Plan for and supervise log processing operations
FWPSAW4210	Plan for and supervise timber dry mill operations
FWPTMM421 5	Plan for and coordinate timber product assembly
FWPTMM421 6	Plan for and supervise engineered wood product operations

### Operational planning

AHCWRK513	Write and present reports
BSBOPS402	Coordinate business operational plans
BSBOPS403	Apply business risk management processes
BSBPMG427	Apply project procurement procedures
FWPCOT3338	Identify glues and gluing systems used in production of wood products
FWPCOT4211	Monitor stock control procedures
FWPTMM421 2	Calculate production costs
MEM30021	Prepare a simple production schedule
TLIR4002	Source goods/services and evaluate contractors

### Waste Management

CPPWMT4003	Implement waste management plans
CPPWMT4010	Assess and advise on waste avoidance options

**Group D: Prefabricated timber building systems**

FWPTMM5209	Determine prefabricated timber building systems designs for compliance, manufacture and installation
FWPTMM5210	Verify compliance and conformance of prefabricated timber building systems during manufacture

**Group E: Leadership and personal effectiveness**

BSBHRM413	Support the learning and development of teams and individuals
BSBLDR413	Lead effective workplace relationships
BSBPEF301	Organise personal work priorities
BSBXCM401	Apply communication strategies in the workplace
BSBXTW401	Lead and facilitate a team

**Group F: Training and assessment**

TAEDEL311	Provide work skill instruction
TAEDEL411	Facilitate vocational training
TAEDEL412	Facilitate workplace-based learning
TAEDEL414	Mentor in the workplace
TAEDS412	Design and develop learning programs

**Qualification Mapping Information**

<b>Code and title current version</b>	<b>Code and title previous version</b>	<b>Comments</b>	<b>Equivalence status</b>
FWP40222 Certificate IV in Timber and Wood Products Operations Release 2	FWP40222 Certificate IV in Timber and Wood Products Operations Release 1	Revised title of elective units	Equivalent

## Links

Companion Volumes, including Implementation Guides, are available at VETNet: -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=0d96fe23-5747-4c01-9d6f-3509ff8d3d47>