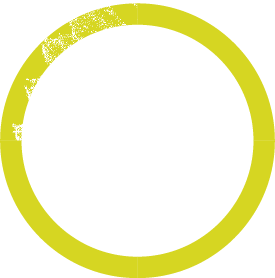
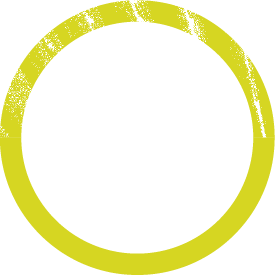
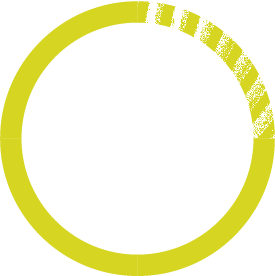
Shape, circle

Description automatically generated­­­

Companion Volume

Implementation Guide [DRAFT]

Shape, circle

Description automatically generated

FWP Forest and Wood Products

Training Package

Release 9.0

Month/2024

Contents

[Disclaimer 5](#_Toc148433869)

[Implementation Guide modification history 6](#_Toc148433870)

[Introduction 11](#_Toc148433871)

[Overview 12](#_Toc148433872)

[Key work and training requirements in the industry 23](#_Toc148433873)

[About the industry 23](#_Toc148433874)

[Forest harvesting optimisation 24](#_Toc148433875)

[Harvesting operator skills 25](#_Toc148433876)

[Harvesting Technologies 26](#_Toc148433877)

[Timber and Wood Products Operations 27](#_Toc148433878)

[Prefabricated timber building systems 33](#_Toc148433879)

[Timber Truss and Frame Estimating and Design 37](#_Toc148433880)

[Timber Supply 37](#_Toc148433881)

[Working safely 38](#_Toc148433882)

[Working sustainably 39](#_Toc148433883)

[Working innovatively 40](#_Toc148433884)

[Working with the community 40](#_Toc148433885)

[Regulatory and organisational requirements 41](#_Toc148433886)

[Communication 41](#_Toc148433887)

[Other factors impacting on training delivery and assessment 42](#_Toc148433888)

[Implementation information 43](#_Toc148433889)

[Industry sectors 43](#_Toc148433890)

[Occupational outcomes of qualifications 43](#_Toc148433891)

[Occupational outcomes for industry sectors 45](#_Toc148433892)

[Key features of the training package and the industry that will impact on the selection of training pathways 47](#_Toc148433893)

[Progression between qualifications 50](#_Toc148433894)

[Examples of pathways into qualifications 50](#_Toc148433895)

[Entry requirements for qualifications 55](#_Toc148433896)

[Selecting electives to enable different occupational outcomes 55](#_Toc148433897)

[Training package delivery and assessment 56](#_Toc148433898)

[Amount of training and volume of learning 56](#_Toc148433899)

[Access and equity considerations 57](#_Toc148433900)

[Considerations specific to learners with disability 57](#_Toc148433901)

[Foundation skills in units of competency 59](#_Toc148433902)

[Frameworks used 59](#_Toc148433903)

[Key legislative implications for implementation 60](#_Toc148433904)

[Other legislative requirements 63](#_Toc148433905)

[Training and assessing environments 74](#_Toc148433906)

[Legal considerations for learners in the workplace/on placements 74](#_Toc148433907)

[Resources and equipment lists 74](#_Toc148433908)

[Links 75](#_Toc148433909)

[Industry links 75](#_Toc148433910)

[State and Territory Training Authorities 76](#_Toc148433911)

[General 77](#_Toc148433912)

[Appendix 1: Training Package Components 78](#_Toc148433913)

[Qualifications 78](#_Toc148433914)

[Skill sets 78](#_Toc148433915)

[Units of competency 80](#_Toc148433916)

[Imported units of competency 89](#_Toc148433917)

[Appendix 2: Mapping information 100](#_Toc148433918)

[FWP Forest and Wood Products Training Package Version 8.2 to Version 9.0 100](#_Toc148433919)

[Qualifications 100](#_Toc148433920)

[Units of competency 101](#_Toc148433921)

[FWP Forest and Wood Products Training Package Version 8.0 to Version 8.1 101](#_Toc148433922)

[Qualifications 101](#_Toc148433923)

[FWP Forest and Wood Products Training Package Version 7.1 to Version 8.0 102](#_Toc148433924)

[Qualifications 102](#_Toc148433925)

[Skill sets 104](#_Toc148433926)

[Units of competency 107](#_Toc148433927)

[FWP Forest and Wood Products Training Package Version 7.0 to Version 7.1 119](#_Toc148433928)

[Qualifications 119](#_Toc148433929)

[FWP Forest and Wood Products Training Package Version 6.3 to Version 7.0 119](#_Toc148433930)

[Qualifications 119](#_Toc148433931)

[Skill sets 122](#_Toc148433932)

[Units of competency 126](#_Toc148433933)

[FWP Forest and Wood Products Training Package Version 6.2 to Version 6.3 148](#_Toc148433934)

[Units of competency 148](#_Toc148433935)

[FWP Forest and Wood Products Training Package Version 6.1 to Version 6.2 148](#_Toc148433936)

[Skill sets 148](#_Toc148433937)

[FWP Forest and Wood Products Training Package Version 6.0 to Version 6.1 150](#_Toc148433938)

[Qualifications 150](#_Toc148433939)

[Units of competency 152](#_Toc148433940)

[FWP Forest and Wood Products Training Package Version 6.0 to Version 5.0 161](#_Toc148433941)

[Qualifications 161](#_Toc148433942)

[Skill sets 163](#_Toc148433943)

[Units of competency 164](#_Toc148433944)

[FWP Forest and Wood Products Training Package Version 5.0 to Version 4.0 177](#_Toc148433945)

[Qualifications 177](#_Toc148433946)

[Skill sets 178](#_Toc148433947)

[Units of competency 179](#_Toc148433948)

[FWP Forest and Wood Products Training Package Version 4.0 to Version 3.0 191](#_Toc148433949)

[Qualifications 191](#_Toc148433950)

[Skill sets 192](#_Toc148433951)

[Units of competency 193](#_Toc148433952)

[FWP Forest and Wood Products Training Package Version 3.0 to Version 2.0 198](#_Toc148433953)

[Qualifications 198](#_Toc148433954)

[Skill sets 199](#_Toc148433955)

[Units of competency 200](#_Toc148433956)

[FWP Forest and Wood Products Training Package Version 2.0 to previous versions 205](#_Toc148433957)

[Qualifications 205](#_Toc148433958)

[Skill sets 208](#_Toc148433959)

[Units of competency 210](#_Toc148433960)

Disclaimer

This work has been produced with the assistance of funding provided by the Commonwealth Government through the Department of Employment and Workplace Relations (DEWR).

The views expressed in this work do not necessarily represent the views of the DEWR. In addition, the DEWR does not give warranty or accept any legal liability in relation to the content of this work.

For further information about this Companion Volume or any other work being undertaken by Skills Insight, please visit:

[www.skillsinsight.com.au](http://www.skillsinsight.com.au)

**Skills Insight Ltd**

ABN: 58 006 212 693

Level 1, 165 Bouverie Street

CARLTON VIC 3053

PO Box 466

NORTH MELBOURNE VIC 3051

p. (03) 9321 3526

e. [inquiry@skillsinsight.com.au](mailto:inquiry@skillsinsight.com.au)

w. [www.skillsinsight.com.au](http://www.skillsinsight.com.au)

Implementation Guide modification history

| Release Number | Release date | Author | Comments |
| --- | --- | --- | --- |
| 9.0 | [Month 2024] | ForestWorks | Implementation Guide updated to accompany release of FWP Forest and Wood Products Training Package V9.0.  Major changes   * Updated 3 units of competency   Minor change   * Updated 3 qualification to reflect changes to the codes of elective units |
| 8.1 | February 2023 | ForestWorks | Implementation Guide updated to accompany release of FWP Forest and Wood Products Training Package V8.1.  Minor change   * Updated 1 qualification to reflect changes to the titles of elective units |
| 8.0 | January 2023 | ForestWorks | Implementation Guide updated to accompany release of FWP Forest and Wood Products Training Package V8.0.  Major changes   * Revised 3 qualifications * Updated 3 qualifications to reflect changes to elective units within a specialisation * Added 9 new skill sets * Revised 42 units of competency * Added 10 new units of competency * Deleted 3 units of competency * Deleted 4 skill sets   Minor changes   * Updated 4 qualifications to reflect changes to the code and titles of elective units * 1 unit of competency with minor changes to a performance criterion   Fell trees manually units of competency   * Safety information * Assessment requirements |
| 7.1 | February 2022 | ForestWorks | Implementation Guide updated to accompany release of FWP Forest and Wood Products Training Package V7.1  Updated 1 qualification to reflect change in the imported elective code and prerequisite requirements table |
| 7.0 | January 2022 | ForestWorks | Implementation Guide updated to accompany release of FWP Forest and Wood Products Training Package V7.0  Major changes   * Revised 4 qualifications * Updated 3 qualifications to reflect changes to the code and title of core and elective units * Revised 15 skill sets * Added 5 new skill sets * Revised 72 units * Added 29 new units of competency * Deleted 2 qualifications * Deleted 10 skill sets * Deleted 13 units of competency   Minor changes   * Updated 3 qualifications and 1 unit to reflect changes to the code and titles of elective units |
| 6.3 | April 2021 | ForestWorks | Implementation Guide updated to accompany release of FWP Forest and Wood Products Training Package V6.3.  Updated to reflect minor changes to 1 unit of competency. |
| 6.2 | March 2021 | ForestWorks | Implementation Guide updated to accompany release of FWP Forest and Wood Products Training Package V6.2.  Updated to reflect minor changes to 9 skill sets. |
| 6.1 | February 2021 | ForestWorks | Implementation Guide updated to accompany release of FWP Forest and Wood Products Training Package V6.1  Updated to reflect components that have been deleted as part of meeting Skills Ministers’ priority of removing training products with low or no enrolments, as agreed by the AISC. |
| 6.0 | December 2020 | ForestWorks | Implementation Guide updated to accompany release of FWP Forest and Wood Products Training Package V6.0  Major changes   * Revised 4 Qualifications * Added 6 new units of competency * Revised 56 units * Deleted 5 Qualifications * Deleted 2 unit of competency * Added 5 new skill sets   Minor changes   * Updated 14 qualifications, 1 unit and 1 skill set to include revised and new units and superseded and deleted imported units |
| 5.0 | January 2020 | ForestWorks | Implementation Guide updated to accompany release of FWP Forest and Wood Products Training Package V5.0  Implementation Guide updated to accompany release of FWP Forest and Wood Products Training Package V5.0  Major changes   * Revised 2 Qualifications * Added 10 new units of competency * Revised 59 units * Deleted 1 unit of competency * 2 new skill sets   Minor changes   * Updated 7 qualifications and 3 skill sets to include revised and new units and superseded and deleted imported units * Updated 5 units of competency to achieve consistency, correct system errors and provide clarifications |
| 4.0 | December 2018 | ForestWorks | Implementation Guide updated to accompany release of Forest and Wood Products Training Package V4.0.  Major changes   * Developed 4 new units of competency covering design, manufacture and installation of prefabricated timber building systems * Reviewed and updated 24 existing units of competency * Minor changes * 4 units (minor editorial changes)   Minor changes   * Updated 12 qualifications to include revised and new units and superseded and deleted imported units |
| 3.0 | January 2018 | ForestWorks | Implementation Guide updated and reformatted to accompany release of Forest and Wood Products Training Package V3.0.  Major changes   * Developed 2 new units of competency covering efficient use of on-board computer systems in relation to single grip harvester and forwarder. * Reviewed and revised 12 existing units of competency. * Deleted FWPHAR3208 Conduct boom delimber operations * Deleted FWPSS00010 Skill set for a boom delimber operator   Minor changes   * 8 skill sets, 7 qualifications and 32 units of competency |
| 2.0 | November 2016 | ForestWorks | Implementation Guide updated to accompany of Forest and Wood Products (FWP) Training Package V2.0.  Transition of FPI11 units to new standards format. Imported units updated to the most current at time of publication. |
| 1.0 | August 2015 | ForestWorks | Implementation Guide created to accompany primary release of Forest and Wood Products (FWP) Training Package. FWP replaces FPI11 Forest and Forest Products Training Package.  Units of Competency have been written in active voice, fatigue and sustainability requirements have been embedded and assessment requirements have been strengthened.  Advanced Diploma - 5 new units have replaced generic BSB innovation units. The new units outline industry-specific requirements for innovative thinking, collaboration, leadership, change management, research and project management.  All Advanced Diploma units of competency have been transitioned to the new standards format. |

Introduction

About this Guide

This Companion Volume Implementation Guide (Implementation Guide) is designed to assist assessors, trainers, Registered Training Organisations (RTOs) and enterprises to use the Training Package.

Structure of this Guide

This Implementation Guide contains two sections.

1. Overview

This section includes information about:

* what training packages are, and how they are developed
* the qualifications, skill sets and units of competency (including imported and prerequisite units of competency) in the training package
* mapping between previous and current releases of the qualifications and units of competency
* key work, training and regulatory/licensing requirements in the industry.

Note: Lists of qualifications, skill sets and units of competency, together with mapping information for qualifications, skill sets and units of competency, are in the Appendices section.

2. Implementation

This section explains some of the key features of the *FWP Forest and Wood Products* Training Package and the industry that will impact on the use of the Training Package. It includes information about:

* training pathways
* occupational outcomes of qualifications
* entry requirements for qualifications
* access and equity considerations
* resources and equipment requirements
* mandatory workplace requirements

Overview

About training packages

Training packages specify the skills and knowledge (known as competencies) that individuals need in order to perform effectively in workplaces. Training packages:

* reflect identified workplace outcomes
* support national (and international) portability of skills and competencies
* reflect the core, job-specific and transferable skills, required for job roles
* enable the awarding of nationally recognised qualifications
* facilitate recognition of peoples’ skills and knowledge, and support movement between school, VET and higher education sectors
* promote flexible modes of training to suit individual and industry requirements.

Note: To make them easy to interpret, training packages are written in simple, concise language, with delivery and assessment requirements clearly described. Training package products do not prescribe how an individual should be trained so that users can develop training and assessment strategies to suit the needs of their particular learners.

Training package products

Training packages are composed of endorsed and non-endorsed products.

Although all products must be developed to comply with the Standards for Training Packages 2022, endorsed products must be submitted for approval by the Skills Minister before they are released for use.

A summary of endorsed and non-endorsed products is provided on the following page.

Endorsed products

|  |  |
| --- | --- |
| Product | Description |
| Qualification | A qualification combines the skills standards (called units of competency) into meaningful groups that meet workplace roles and align to the Australian Qualifications Framework (AQF). |
| Unit of competency | A unit of competency describes the requirements for effective performance in a discrete area of work, work function, activity or process. They specify the standard against which training delivery and assessment of competency can take place. |
| Assessment requirements | Assessment requirements accompany each unit of competency and include the performance evidence, knowledge evidence and conditions for assessment. |
| Credit arrangements | Credit arrangements provide details of existing arrangements between training package qualifications and higher education qualifications in accordance with the AQF.  Note: There are currently no nationally applicable credit arrangements between any Skills Insight training package qualification and higher education qualification. |

Non-endorsed products

|  |  |
| --- | --- |
| Product | Description |
| Skill set | A skill set addresses a particular industry need or a licensing or regulatory requirement. A skill set is not endorsed but includes endorsed units of competency. |
| Companion volume | This general term refers to any quality assured product (including this Implementation Guide) which supports training and assessment. |

Training package development

Training packages are developed through a process of national consultation with industry. There are some key stakeholders that drive training package development.

Key stakeholder roles

|  |  |
| --- | --- |
| Skills Ministers | Skills Ministers work with the VET sector on reforms to improve VET quality and relevance, strengthen engagement, and deliver more meaningful evidence to inform skills policy. |
| Jobs and Skills Council (JSC) | JSCs identify skills and workforce needs, map career pathways across education sectors, develop VET training products, support collaboration between industry and training providers to improve training and assessment practice and act as a source of intelligence on issues affecting their industries. (Australian Government, 2023) |
| Commonwealth and state/territory Senior Responsible Officers | Senior government official nominated by a Commonwealth, state or territory department with responsibility for skills and training policy. |
| Assurance Body | The Assurance Body is responsible for assessing training products for compliance with the Training Package Organising Framework (TPOF), using the completed submission pack as the main source of evidence |
| State /Territory Training Authorities (STAs/TTAs) | STAs/TTAs canvass stakeholder views about training packages, provide implementation advice, identify issues and develop purchasing guides for training providers. |
| Australian Skills Quality Authority (ASQA) | ASQA are responsible for regulating VET providers in all states except Victoria and Western Australia unless they offer courses to interstate and overseas students. |
| Vocational education and training regulators | A VET Regulator, as defined by the National Vocational Education and Training Regulator Act 2011 means:   * the National VET Regulator; and * a body of a non referring State that is responsible for the kinds of matters dealt with by this Act. |

The development process

package products are validated by industry

The process used to develop and endorse training products is based on the following principles:

* open and inclusive industry participation in development and endorsement of training products
* strong stakeholder engagement and the opportunity for industry to drive change
* highly responsive and capable of meeting industry needs and priorities for new skills
* clear and transparent arrangements for resolving disputes
* accountability of all stakeholders for the role that they play in the process.

The following diagram summarises the process of training product development. [[1]](#footnote-2)

Contents of this training package

The *FWP Forest and Wood Products* Training Package contains AQF aligned qualifications, skill sets and units of competency.

Prerequisite requirements

Some units of competency have prerequisite requirements. This means that an individual must be competent in the prerequisite unit(s) of competency before undertaking any assessment in the unit containing the prerequisite(s)

Two units of competency in the FWP Forest and Wood Products Training Package have prerequisite requirements. These units are:

* FWPCOT3321 Apply situational awareness and a safety mindset in operational forestry roles
* FWPCOT4217 Apply a safety mindset in forestry operations

Units of competency that are imported from other training packages MAY have prerequisite requirements.

Details of prerequisite requirements for imported units are found in the Implementation Guide of the training package that contains the unit. For example, prerequisite requirements for units of competency from the *AHC Agriculture, Horticulture and Conservation and Land Management* TrainingPackage are included in the AHC Implementation Guide.

Imported units

Qualifications include units of competency from different training packages, including:

* AHC Agriculture, Horticulture and Conservation and Land Management
* AUR Automotive Retail, Service and Repair Training Package
* BSB Business Services Training Package
* CPC Construction, Plumbing and Services Training Package
* CPP Property Services Training Package
* CUA Creative Arts and Culture Training Package
* FBP Food, Beverage and Pharmaceutical
* FSK Foundation Skills Training Package
* HLT Health
* ICT Information and Communications Technology
* MEM Manufacturing and Engineering Training Package
* MEM05 Metal and Engineering Training Package
* MSF Furnishing Training Package
* MSL Laboratory Operations
* MSM Manufacturing Training Package
* MSS Sustainability Training Package
* PSP Public Sector Training Package
* PUA Public Safety Training Package
* RII Resources and Infrastructure Industry Training Package
* SIR Retail Services Training Package
* TAE Training and Education Training Package
* TLI Transport and Logistics Training Package

Please refer to **Appendix 1** for details of products in the *FWP Forest and Wood Products* Training Package including lists of:

* qualifications, skills sets and units of competency
* imported units of competency.

Mapping information

Mapping to previous releases of a training package is useful for delivery and assessment because it:

* outlines the changes between current and previous releases of qualifications, skill sets and units of competency
* states whether the vocational outcomes of the current and previous releases of units of competency and qualifications are equivalent
* shows any products that have been added to, or removed from, the training package.

Note: The mapping tables are summary documents only and cannot be used alone to determine an individual’s competence.

Please refer to Appendix 2 for mapping between previous and current qualifications, skill sets and units of competency.

Registered Training Organisation (RTO) use

An RTO may use the mapping information to help design training and assessment strategies, including recognition of prior learning (RPL) systems. In addition to the mapping information, RPL processes must take into account other evidence of current competency, for example, how long ago an individual was awarded a superseded unit of competency and current work experience.

Employer use

An employer might use the mapping information to determine whether there are gaps between a qualification held by workers and the current expectations of a job role. Once gaps are identified, this could assist in planning professional development activities.

How equivalence is determined

**Units of Competency**

The training package developer determines equivalence based on the definition provided in the *Training Package Products Policy*[[2]](#footnote-3) which state that:

“Training package developers are responsible for mapping units and determining their equivalent or not equivalent status.

* Where a unit of competency is superseded and the workplace outcome of the unit has changed, the superseding unit must be deemed ‘Not Equivalent’.
* The workplace outcome can be determined to have changed when the skills and knowledge (reflected through the elements, performance criteria and assessment requirements) required to achieve the workplace outcome of the superseded and superseding units cannot be mapped to each other.
* Determinations of ‘Not Equivalent’ may also be used to support licensing, regulatory, legislative or certification requirements. The equivalence table must list the units of competency and clearly identify the status of each unit according to the following categories:
  + **Equivalent** - the workplace outcomes of the superseded and superseding units are equivalent
  + **Not Equivalent** - the workplace outcomes of the superseded and superseding units are not equivalent (refer Section 2.5)
  + **Newly created** - the unit has been created to address an emerging skill or task required by industry
  + **Deleted** - the unit is deleted as the skill or task is no longer required by industry”

If two units are determined to be equivalent, an RTO can recognise an ‘old’ unit as satisfying the outcomes of a new unit (including RPL). However, an RTO cannot assume that no changes are needed for the training and assessment of the new unit.

If a unit of competency is not equivalent to its predecessor, this means that there are significant changes in the new unit. These changes would need to be addressed, for example, through training, providing additional RPL evidence.

**Qualifications**

‘Training package developers are responsible for mapping qualifications and determining their equivalent or not equivalent status.

* Where a qualification is superseded and the occupational outcome and/or the AQF level of the qualification has changed, the superseding qualification must be deemed ’Not Equivalent’.
* The occupational outcome can be determined to have changed when the skills and knowledge required to achieve the occupational outcome of the superseded and superseding qualifications cannot be mapped to each other.
* Determinations of ‘Not Equivalent’ may also be used to support licensing, regulatory, legislative or certification requirements.
* The equivalence table must list the qualifications and clearly identify the equivalence status of each qualification according to the following categories:
  + **Equivalent** - the occupational outcomes of the superseded and superseding qualifications are equivalent
  + **Not Equivalent** - the occupational outcomes of the superseded and superseding qualifications are not equivalent
  + **Newly Created** - the qualification has been created to address an original skill or occupational outcome required by industry
  + **Deleted** - the qualification is deleted as the skill or occupational outcome is no longer required by industry.’

**Superseded and deleted training package products**

A product is **superseded** when another training product replaces it. This happens if the skill needs of industry change so training package developers need to alter a qualification, unit of competency or skill set.

A product is **deleted** when another training product does not replace it. This happens if industry determines that there is no longer sufficient demand for a qualification, unit of competency or skill set.

The rules regarding the use of superseded and deleted products for training purposes are in Clause 1.26 of the Standards for Registered Training Organisation (RTOs) 2015.

This can be accessed from: <https://www.legislation.gov.au/Details/F2019C00503>

**Coding conventions**

There are agreed conventions for the national codes used for training packages and their products.

**Training package codes**

Each training package has a unique three-letter national code assigned when the Training Package is endorsed, for example, **FWP** is the code used for the *FWP Forest and Wood* *Products* Training Package.

The practice of assigning two numbers to identify the year of endorsement is no longer used as it is not consistent with national policy.

**Qualification codes**

Within the training package, each qualification has a unique eight-character code that is used to identify the qualification, along with its title. The table explains the format of a qualification code for the *FWP Forest and Wood Products* Training Package.

|  |  |  |
| --- | --- | --- |
| Identifiers | Description | Example for FWP40216 |
| Training package identifier | Three letters | = FWP |
| AQF level identifier | One number identifying the Australian Qualifications Framework level | = 4 |
| Sequence identifier | Two numbers identifying the sequence of the qualification at that level in the Training Package | = 02 |
| Release identifier | Two numbers identifying the year in which the qualification was endorsed. | = 16 |

**Units of competency codes**

Within the training package, each unit of competency has a unique code (up to 12 characters). The code, as well as the title, is used to identify the unit of competency. The table explains the format of a unit of competency code for the *FWP Forest and Wood Products* Training Package.

|  |  |  |
| --- | --- | --- |
| Identifiers | Description | Example for FWPFGM5212 |
| Training package identifier | Three letters | = FWP |
| Sector identifier | Two to four letters | = FGM (forest growing and management) |
| AQF level indicator | One number that is a guide as to the type and depth of skills and knowledge described in the unit. This identifier is loosely tied to the Australian Qualifications Framework and can range from 1 (indicates Certificate 1) to 8 (indicates Graduate Certificate/Graduate Diploma) | = 5 |
| Sequence identifier | The final numbers identify the sequence of the unit in the particular unit sector and AQF level, and allows each unit to have a unique code | = 212 |
| Cross sector unit | Cross-sector units must have ‘X’ as the final character | = X |

In training.gov.au the release history of each unit is shown in both the web view of the unit and in the unit modification history and mapping tables.

Key work and training requirements in the industry

About the industry

The forest and wood products industry is critical to Australia’s future economy based on sustainable products and clean energy. It is the only industry with a carbon neutral footprint, generating durable carbon storage through forest growing and management activities and wood and timber manufactured products with low embodied energy.

The forest and wood products industry is characterised by a mix of small, medium and large enterprises. Some enterprises show a high degree of vertical integration, being involved in activities across all of the six industry sectors:

* Forest Growing and Management
* Harvesting and Haulage
* Sawmilling and Processing
* Wood Panel and Board Production
* Timber Manufactured Products
* Timber Supply.

The industry’s value chain includes the management of all forests, forest reserves and parks through conservation and land management, the forest growing and management activities for timber production, the manufacturing of a diverse range of traditional and non-traditional wood-based products, and the distribution channels to deliver and sell these products. The distribution is achieved through retail and trade merchants on one side and wholesalers, manufacturers, importers and exporters on the other side. The industry supplies a diverse range of products including:

* timber and timber elements for building construction
* structural timber systems, including manufactured frames and trusses and laminated veneer lumber (there is also potential in the future for manufacturing cross-laminated timber, parallel strand lumber and laminated strand lumber)
* engineered wood products
* indoor and outdoor wooden furniture
* wood chips
* pulp and paper and packaging products
* bio-fuels and bio-energy.

Based on a range of superior characteristics, including low embodied energy, low Greenhouse gas (GHG) emissions over the life cycle, time and weight efficiency when used in construction and good strength and thermal insulation properties, the timber products have clear advantages over, and can substitute, emission-intensive building materials such as steel and aluminium.

The future holds potential for many innovative uses of wood fibre in bio-refineries to generate wood-based compounds and composites from the manufacturing of cellulose fibre, nano-crystalline cellulose, and carbon fibres from the manufacturing of lignin. These innovations can replace petroleum-based compounds in a variety of materials, processes and industries related to automotive and aerospace domains, electronics and consumer products, or medical products and devices, and reduce the use of fossil fuel sources such as oil and gas.

Forest harvesting optimisation

Skills development for harvesting optimisation is required for all mechanised operations conducted in a commercial forest harvesting environment. These operations include tree felling, processing, extraction and loading. Mechanical harvesting machines such as feller bunchers, single grip harvesters, excavators with log grapple, skidders, forwarders, yarders and loaders must be operated by highly skilled individuals to perform safely and efficiently and to ensure optimal value recovery and extraction of logs.

Improving competences of forest harvesting operators is an important step for the Australian forest and harvesting industry sector to ensure ongoing increases in productivity and efficiency. Skills requirements in line with the industry best practices for optimisation include:

* safe and appropriate operation of the machines
* efficient use of on-board computer systems for single grip harvester to achieve maximum product value recovery during harvesting and forwarder to optimise product loads (volumes and weights) during transportation to customers
* practices for production cycle efficiency and product quality with outcomes including minimal damage to log products and correct product segregation, stacking, identification and presentation to the roadside or landing area.

Existing qualification, skill sets and units of competencies have been upgraded to reflect the level of performance expected of harvesting machine operators today and in the future, to support safety, product quality and efficiency outcomes.

The methods and knowledge base for product quality and efficiency vary according to the production system and type of log products, whether it is for sawlog or pulp log production. On this basis, the industry is keen to experience training that is contextualised to the production environment and requirements in which they operate.

To maintain the units of competency useful to the whole industry, they were written to describe requirements about product quality in terms of meeting production plan or systems. This has some implications for training providers by requiring them to liaise with individual organisations and customise training according with their specific production environment, whether it is for sawlog or pulp log production.

On-the-job training is anticipated, and, like other training, it necessitates some follow-up with students and employers to confirm that the learning goals have been met and are being applied.

Industry has indicated that computer simulators can be used to teach the new units for on-board computers but the actual assessment must be done on the machine as long as the learners are already competent machine operators with appropriate accreditation. A combination of on-site training by employer and/or technology vendor in partnership with a training provider and workplace-based learning strategies is being considered by the industry as an option for teaching the on-board computer units.

Harvesting operator skills

This section outlines additional information to consider when delivering training and assessing knowledge for harvesting operators.

When undertaking a harvesting machine operation unit, operators may be required, depending on the workplace requirements, to attain a range of specific knowledge in relation to the following task areas.

a) Work health and safety risk control measures

* Personal protective equipment requirements
* Lifting heavy items safely
* Proper restraint techniques
* Emergency procedures
* Site security measures
* Getting in and out of the machine safely (the ‘3-point of contact’ method)

b) Machine maintenance requirements

* Maintain clear windows
* Check the machine and clear build-up of flammable debris
* Maintain operational machine lighting
* Maintain operational machine safety features including handles, steps, emergency exits, radios, door latches, etc.

c) Log quality characteristics and defects

* Size (lengths and diameters)
* Shape (straightness/sweep, ovality, taper)
* External features (branching/forks, knots)
* Internal features (wood properties)
* Defects including:
  + Natural (fungal, insects, scars, deadwood, dry sides, pruning stubs, resin pockets)
  + Felling and processing defects
  + Drying damage

d) Methods to reset the harvesting head’s length counter

(when undertaking FWPHAR3223 Use on-board computer systems for single grip harvester)

* Find End function of the on-board computer system
* Saw Zeroing method

e) Length and diameter measuring system fitted on harvesting heads

(when undertaking FWPHAR3223 Use on-board computer systems for single grip harvester)

* Potentiometer
* Measuring Arm
* Drive Coupling
* Length encoder
* Measuring Wheel
* Accumulator

When undertaking *FWPHAR3223 Use on-board computer systems for single grip harvester,* wherecolour branding is a prescribed outcome for the operation, operators are expected to acquire and demonstrate skills for setting up or adjusting colour marking functions of the on-board computer and for using harvester controls to colour mark individual logs.

When undertaking *FWPHAR3229 Operate single grip harvester* and *FWPHAR3225 Operate excavator with log grapple*, where machines are used for debarking operations*,* operators are expected to acquire skills and knowledge for conducting mechanical debarking.

When undertaking *FWPHAR3226 Operate feller buncher*, operators are expected to acquire skills, which allow them to correctly inspect the cutting head attachment, whether this is a chain saw bar, circular saw or shearing head, and be able to replace a chain saw bar configuration when required.

Harvesting Technologies

Technology has always been a key driver of change in the forest industry. These days, digital technology, drones and remote sensing systems, in-field technologies and optimisation equipment are supporting the industry to be more productive, environmentally sustainable and safer. As a result, many job roles require different levels of technical and digital skills than before.

New optimisation equipment is maximising the output of timber while also making it possible to track yield in real time. In-field wood chipping is now more advanced, making it possible to perform debarking and chipping on the same site as timber is harvested with reduced costs and increased efficiency. Techniques for cable logging and winch-assisted harvesting on steep slopes are another area where gains are being made, improving harvesting outcomes in a challenging environment.

Even with these technologies and advances in harvesting operations, there remains a need to conduct manual felling and chainsaw operations. Several industry programs rely on these skills standards to provide the benchmark for performance in these areas.

Most of these developments are now reflected in the national skills standards to ensure industry can keep up with high demand for timber, a competitive market, and industry requirements. For example, five (5) new units of competency have been developed to support skills development in digital technology, winch-assisted harvesting, mechanised forestry site preparation on steep slopes, and safe use of a chainsaw within trees. The units of competency for felling trees manually and chainsaw operation have also been updated to accurately reflect these high-risk activities.

However, there are still gaps in the FWP Forest and Wood Products Training Package in relation to digital technology that need to be addressed. These gaps refer to:

* Development of digital forest operational maps
* Development of cutting instructions files for forestry harvesters
* Management and analysis of harvesting optimisation data
* Collection of forestry data using unmanned aerial vehicle (UAV).

Timber and Wood Products Operations

The timber and wood products industry makes a substantial contribution to our economy through primary processing operations that convert logs into a range of timber products and through downstream timber processing activities that generate a range of engineered wood products.

Industry has been investing in technology to increase productivity and produce innovative products, including cross laminated timber (CLT) and glue laminated timber (GLT). Unique expertise is required for working with these new timber products and processes. Operators, line technicians, and production supervisors need to be thoroughly familiar with the operation of sawmills, log yards and wood product processing plants, so that they can support quality processes, problem solve and perform some types of equipment maintenance. They also need to have effective communication, decision making and teamwork skills and an understanding of health, safety, environment protection.

All these contemporary skills and knowledge to perform a variety of timber production roles are now reflected in the *Certificates II, III and IV in Timber and Wood Products Operations*.

The *Certificate II and III in Timber and Wood Products Operations* include generic workplace skills in areas such as maintaining personal and team performance, problem solving, and complying with health, safety, quality and chain of custody and environmental standards. Specialised technical skills in areas such as equipment operation and maintenance, process monitoring, product testing and grading in CLT and GLT production, plywood and laminated veneer lumber (LVL) production or reconstituted wood panel production are also included.

The *Certificate IV in Timber and Wood Products Operations* provides future production supervisors and technicians with skills required to manage technical operations, production issues, performance, equipment maintenance, and quality and safety requirements of a timber or wood products operation.

Nine (9) new skill sets are now also available to support career pathways for:

* new entrants, production personnel or other tradespeople who are interested in beginning or advancing their career as a Saw Technician or Wood Machinist
* frontline and technically proficient production personnel who pursue a leadership career in an operational area of the timber and wood products industry
* team leaders who are responsible for process management and optimisation in timber sawmill operations.

Industry standards and codes needed to be considered when delivering and assessing the timber and wood products operations units of competency:

* Preservative treatment

[AS 5605-2007 Guide to the safe use of preservative-treated timber](https://www.standards.org.au/standards-catalogue/sa-snz/building/tm-012/as--5605-2007)

[AS 5605 SUPP 1-2007 Guide to the safe use of preservative-treated timber - Consumer safety information sheet - Copper Chrome Arsenic (CCA) - treated timber](https://www.standards.org.au/standards-catalogue/sa-snz/building/tm-012/as--5605--supp--1-2007)

[AS 5605 SUPP 2-2007 Guide to the safe use of preservative-treated timber - Consumer safety information sheet - Alkaline copper quaternary-treated timber](https://www.standards.org.au/standards-catalogue/sa-snz/building/tm-012/as--5605--supp--2-2007)

[AS 5605 SUPP 3-2007 Guide to the safe use of preservative-treated timber - Consumer Safety Information Sheet - Copper azole-treated timber](https://www.standards.org.au/standards-catalogue/sa-snz/building/tm-012/as--5605--supp--3-2007)

[AS 5605 SUPP 4-2007 Guide to the safe use of preservative-treated timber consumer safety information sheet - Light oil/organic solvent-borne preservative-treated timber](https://www.standards.org.au/standards-catalogue/sa-snz/building/tm-012/as--5605--supp--4-2007)

[AS 5605 SUPP 5-2007 Guide to the safe use of preservative-treated timber - Consumer Safety Information Sheet - Creosote or pigment-emulsified creosote-treated timber](https://www.standards.org.au/standards-catalogue/sa-snz/building/tm-012/as--5605--supp--5-2007)

[AS 5605 SUPP 6-2007 Guide to the safe use of preservative-treated timber - Consumer Safety Information Sheet - Bifenthrin-treated timber](https://www.standards.org.au/standards-catalogue/sa-snz/building/tm-012/as--5605--supp--6-2007)

[AS/NZS 1604.1:2021 Preservative-treated wood-based products, Part 1: Products and treatment](https://www.standards.org.au/standards-catalogue/sa-snz/building/tm-012/as-slash-nzs--1604-dot-1-colon-2021)

[AS/NZS 1604.2:2021 Preservative-treated wood-based products, Part 2: Verification requirements](https://www.standards.org.au/standards-catalogue/sa-snz/building/tm-012/as-slash-nzs--1604-dot-2-colon-2021)

[AS/NZS 1604.3:2021 Preservative-treated wood-based products, Part 3: Test methods](https://www.standards.org.au/standards-catalogue/sa-snz/building/tm-012/as-slash-nzs--1604-dot-3-colon-2021)

[AS/NZS 1604.4-2012 Specification for preservative treatment - Laminated veneer lumber (LVL)](https://www.standards.org.au/standards-catalogue/sa-snz/building/tm-012/as-slash-nzs--1604-dot-4-2012)

[AS/NZS 1604.5-2012 Specification for preservative treatment - Glued laminated timber products](https://www.standards.org.au/standards-catalogue/sa-snz/building/tm-012/as-slash-nzs--1604-dot-5-2012)

[AS/NZS 2843.1-2006 Timber preservation plants - Timber preservation plant site design](https://www.standards.org.au/standards-catalogue/sa-snz/building/tm-012/as-slash-nzs--2843-dot-1-2006)

[AS/NZS 2843.2-2006 Timber preservation plants - Treatment area operation](https://www.standards.org.au/standards-catalogue/sa-snz/building/tm-012/as-slash-nzs--2843-dot-2-2006)

* Testing methods

[AS/NZS 1080.1:2012 Timber - Methods of test, Method 1: Moisture content](https://www.standards.org.au/standards-catalogue/sa-snz/building/tm-012/as-slash-nzs--1080-dot-1-colon-2012)

[AS/NZS 1080.2:2006 Rec:2016 Timber - Methods of test - Method 2: Slope of grain](https://www.standards.org.au/standards-catalogue/sa-snz/building/tm-012/as-slash-nzs--1080-dot-2-colon-2006--rec-colon-2016)

[AS/NZS 1080.3:2000 Rec:2016 Timber - Methods of test - Method 3: Density](https://www.standards.org.au/standards-catalogue/sa-snz/building/tm-012/as-slash-nzs--1080-dot-3-colon-2000--rec-colon-2016)

[AS/NZS 2097:2006 Rec:2016 Methods for sampling veneer and plywood](https://www.standards.org.au/standards-catalogue/sa-snz/building/tm-011/as-slash-nzs--2097-colon-2006--rec-colon-2016)

[AS/NZS 2098.0:2006 Rec:2016 Methods of test for veneer and plywood - Part 0: General introduction and list of methods](https://www.standards.org.au/standards-catalogue/sa-snz/building/tm-011/as-slash-nzs--2098-dot-0-colon-2006--rec-colon-2016)

[AS/NZS 2098.1:2006 Rec:2016 Methods of test for veneer and plywood - Method 1: Moisture content of veneer and plywood](https://www.standards.org.au/standards-catalogue/sa-snz/building/tm-011/as-slash-nzs--2098-dot-1-colon-2006--rec-colon-2016)

[AS/NZS 2098.3:2006 Rec:2016 Methods of test for veneer and plywood - Method 3: Bond quality and strength of scarf joints in plywood](https://www.standards.org.au/standards-catalogue/sa-snz/building/tm-011/as-slash-nzs--2098-dot-3-colon-2006--rec-colon-2016)

[AS/NZS 2098.4:2006 Rec:2016 Methods of test for veneer and plywood - Method 4: Measurement of dimensions and shape for sheets of veneer and plywood](https://www.standards.org.au/standards-catalogue/sa-snz/building/tm-011/as-slash-nzs--2098-dot-4-colon-2006--rec-colon-2016)

[AS/NZS 2098.5:2006 Rec:2016 Methods of test for veneer and plywood - Method 5: Resistance of gluelines in plywood to attack by micro-organisms](https://www.standards.org.au/standards-catalogue/sa-snz/building/tm-011/as-slash-nzs--2098-dot-5-colon-2006--rec-colon-2016)

[AS/NZS 2098.6:2006 Rec:2016 Methods of test for veneer and plywood - Method 6: Depth of peeler checks in veneer and plywood](https://www.standards.org.au/standards-catalogue/sa-snz/building/tm-011/as-slash-nzs--2098-dot-6-colon-2006--rec-colon-2016)

[AS/NZS 2098.7:2006 Rec:2016 Methods of test for veneer and plywood - Method 7: Density of veneer and plywood](https://www.standards.org.au/standards-catalogue/sa-snz/building/tm-011/as-slash-nzs--2098-dot-7-colon-2006--rec-colon-2016)

[AS/NZS 2098.8:2006 Rec:2016 Methods of test for veneer and plywood - Method 8: Water absorption and thickness swelling of unpainted plywood](https://www.standards.org.au/standards-catalogue/sa-snz/building/tm-011/as-slash-nzs--2098-dot-8-colon-2006--rec-colon-2016)

[AS/NZS 2098.11:2005 Rec:2016 Methods of test for veneer and plywood - Method 11: Determination of formaldehyde emissions for plywood](https://www.standards.org.au/standards-catalogue/sa-snz/building/tm-011/as-slash-nzs--2098-dot-11-colon-2005--rec-colon-2016)

[AS/NZS 2269.1:2012 Plywood - Structural, Part 1: Determination of structural properties - Test methods](https://www.standards.org.au/standards-catalogue/sa-snz/building/tm-011/as-slash-nzs--2269-dot-1-colon-2012)

[AS/NZS 4266.1:2017 Amd 1:2021 Reconstituted wood-based panels - Methods of testing, Part 1: Base Panels](https://www.standards.org.au/standards-catalogue/sa-snz/building/tm-011/as-slash-nzs--4266-dot-1-colon-2017--amd--1-colon-2021)

[AS/NZS 4266.2:2017 Reconstituted wood-based panels - Methods of testing, Part 2: Decorative overlaid panels](https://www.standards.org.au/standards-catalogue/sa-snz/building/tm-011/as-slash-nzs--4266-dot-2-colon-2017)

[AS/NZS 4357.0:2005 Rec:2016 Structural laminated veneer lumber - Part 0: Specifications](https://www.standards.org.au/standards-catalogue/sa-snz/building/tm-011/as-slash-nzs--4357-dot-0-colon-2005--rec-colon-2016)

[AS/NZS 4357.1:2005 Rec:2016 Structural laminated veneer lumber - Part 1: Method of test for measurement of dimensions and shape](https://www.standards.org.au/standards-catalogue/sa-snz/building/tm-011/as-slash-nzs--4357-dot-1-colon-2005--rec-colon-2016)

[AS/NZS 4357.2:2006 Rec:2016 Structural laminated veneer lumber (LVL) - Part 2: Determination of structural properties - Test methods](https://www.standards.org.au/standards-catalogue/sa-snz/building/tm-011/as-slash-nzs--4357-dot-2-colon-2006--rec-colon-2016)

[AS/NZS 4357.3:2006 Structural laminated veneer lumber (LVL), Part 3: Determination of structural properties - Evaluation methods](https://www.standards.org.au/standards-catalogue/sa-snz/building/tm-011/as-slash-nzs--4357-dot-3-colon-2006)

[AS/NZS 4357.4:2005 Rec:2016 Structural laminated veneer lumber - Part 4: Determination of formaldehyde emissions](https://www.standards.org.au/standards-catalogue/sa-snz/building/tm-011/as-slash-nzs--4357-dot-4-colon-2005--rec-colon-2016)

* Classification

[AS 5604-2005 Rec:2016 Timber - Natural durability ratings](https://www.standards.org.au/standards-catalogue/sa-snz/building/tm-012/as--5604-2005--rec-colon-2016)

[AS/NZS 1148:2001 Rec:2016 Timber - Nomenclature - Australian, New Zealand and imported species](https://www.standards.org.au/standards-catalogue/sa-snz/building/tm-012/as-slash-nzs--1148-colon-2001--rec-colon-2016)

[AS/NZS 2878-2000 REC:2017 Timber - Classification into strength groups](https://www.standards.org.au/standards-catalogue/sa-snz/building/tm-012/as-slash-nzs--2878-2000--rec-colon-2017)

[AS/NZS 4491:1997 Rec:2016 Timber - Glossary of terms in timber related-Standards](https://www.standards.org.au/standards-catalogue/sa-snz/building/tm-012/as-slash-nzs--4491-colon-1997--rec-colon-2016)

* Timber grading

[AS 2082-2007 Rec:2017 Timber - Hardwood - Visually stress-graded for structural purposes](https://www.standards.org.au/standards-catalogue/sa-snz/building/tm-012/as--2082-2007)

[AS 2796.1-1999 Rec:2016 Timber - Hardwood - Sawn and milled products - Part 1: Product specification](https://www.standards.org.au/standards-catalogue/sa-snz/building/tm-012/as--2796-dot-1-1999--rec-colon-2016)

[AS 2796.2-2006 Rec:2016 Timber - Hardwood - Sawn and milled products - Part 2: Grade description](https://www.standards.org.au/standards-catalogue/sa-snz/building/tm-012/as--2796-dot-2-2006--rec-colon-2016)

[AS 2796.3-1999 Rec:2016 Timber - Hardwood - Sawn and milled products - Part 3: Timber for furniture](https://www.standards.org.au/standards-catalogue/sa-snz/building/tm-012/as--2796-dot-3-1999--rec-colon-2016)

[AS 2858-2008 Timber - Softwood - Visually stress-graded for structural purposes](https://www.standards.org.au/standards-catalogue/sa-snz/building/tm-012/as--2858-2008)

[AS 3519-2005 Rec:2016 Timber - Machine proof grading](https://www.standards.org.au/standards-catalogue/sa-snz/building/tm-012/as--3519-2005--rec-colon-2016)

[AS 3818.1-2009 Timber - Heavy structural products - Visually graded, Part 1: General requirements](https://www.standards.org.au/standards-catalogue/sa-snz/building/tm-012/as--3818-dot-1-2009)

[AS 3818.2-2010 Timber - Heavy structural products - Visually graded, Part 2: Railway track timbers](https://www.standards.org.au/standards-catalogue/sa-snz/building/tm-012/as--3818-dot-2-2010)

[AS 3818.3-2010 Timber - Heavy structural products - Visually graded, Part 3: Piles](https://www.standards.org.au/standards-catalogue/sa-snz/building/tm-012/as--3818-dot-3-2010)

[AS 3818.4-2010 Timber - Heavy structural products - Visually graded, Part 4: Cross-arms for overhead lines](https://www.standards.org.au/standards-catalogue/sa-snz/building/tm-012/as--3818-dot-4-2010)

[AS 3818.5-2010 Timber - Heavy structural products - Visually graded, Part 5: Mine lift guides](https://www.standards.org.au/standards-catalogue/sa-snz/building/tm-012/as--3818-dot-5-2010)

[AS 3818.6-2010 Timber - Heavy structural products - Visually graded, Part 6: Decking for wharves and bridges](https://www.standards.org.au/standards-catalogue/sa-snz/building/tm-012/as--3818-dot-6-2010)

[AS 3818.7-2010 Timber - Heavy structural products - Visually graded, Part 7: Large cross-section sawn hardwood engineering timbers](https://www.standards.org.au/standards-catalogue/sa-snz/building/tm-012/as--3818-dot-7-2010)

[AS 3818.8-2010 Timber - Heavy structural products - Visually graded, Part 8: Stumps and sole plates](https://www.standards.org.au/standards-catalogue/sa-snz/building/tm-012/as--3818-dot-8-2010)

[AS 3818.9-2010 Timber - Heavy structural products - Visually graded, Part 9: Natural round treated hardwood corbels, girders and stringers](https://www.standards.org.au/standards-catalogue/sa-snz/building/tm-012/as--3818-dot-9-2010)

[AS 3818.10-2010 Timber - Heavy structural products - Visually graded, Part 10: Building poles](https://www.standards.org.au/standards-catalogue/sa-snz/building/tm-012/as--3818-dot-10-2010)

[AS 3818.11-2009 Timber - Heavy structural products - Visually graded, Part 11: Utility poles](https://www.standards.org.au/standards-catalogue/sa-snz/building/tm-012/as--3818-dot-11-2009)

[AS 4785.1-2002 Rec:2016 Timber - Softwood - Sawn and milled products - Part 1: Product specification](https://www.standards.org.au/standards-catalogue/sa-snz/building/tm-012/as--4785-dot-1-2002--rec-colon-2016)

[AS 4785.2-2002 Rec:2016 Timber - Softwood - Sawn and milled products - Part 2: Grade description](https://www.standards.org.au/standards-catalogue/sa-snz/building/tm-012/as--4785-dot-2-2002--rec-colon-2016)

[AS/NZS 1748.1:2011 Timber - Solid - Stress-graded for structural purposes, Part 1: General requirements](https://www.standards.org.au/standards-catalogue/sa-snz/building/tm-012/as-slash-nzs--1748-dot-1-colon-2011)

[AS/NZS 1748.2:2011 Timber - Solid - Stress-graded for structural purposes, Part 2: Qualification of grading method](https://www.standards.org.au/standards-catalogue/sa-snz/building/tm-012/as-slash-nzs--1748-dot-2-colon-2011)

[AS/NZS 4063.1:2010 Characterization of structural timber, Part 1: Test methods](https://www.standards.org.au/standards-catalogue/sa-snz/building/tm-010/as-slash-nzs--4063-dot-1-colon-2010)

[AS/NZS 4063.2:2010 Characterization of structural timber, Part 2: Determination of characteristic values](https://www.standards.org.au/standards-catalogue/sa-snz/building/tm-010/as-slash-nzs--4063-dot-2-colon-2010)

[AS/NZS 4490:2011 Timber - Solid - Stress-graded for structural purposes - Verification of properties](https://www.standards.org.au/standards-catalogue/sa-snz/building/tm-012/as-slash-nzs--4490-colon-2011)

[ISO 13910:2014 Timber structures -- Strength graded timber -- Test methods for structural properties](https://www.standards.org.au/standards-catalogue/international/iso--other/iso--13910-colon-2014)

[ISO 13912:2017 Structural timber -- Machine strength grading -- Basic principles](https://www.standards.org.au/standards-catalogue/international/iso--other/iso--13912-colon-2017)

[ISO 16415:2012 Non-structural timber grading requirements](https://www.standards.org.au/standards-catalogue/international/iso--other/iso--16415-colon-2012)

[ISO 9709:2018 Structural timber -- Visual strength grading -- Basic principles](https://www.standards.org.au/standards-catalogue/international/iso--other/iso--9709-colon-2018)

* Drying

[AS/NZS 4787:2001 Rec:2016 Timber - Assessment of drying quality](https://www.standards.org.au/standards-catalogue/sa-snz/building/tm-012/as-slash-nzs--4787-colon-2001--rec-colon-2016)

* Timber structures

[AS 1720.1-2010 Timber structures, Part 1: Design methods](https://www.standards.org.au/standards-catalogue/sa-snz/building/tm-010/as--1720-dot-1-2010)

[AS 1720.2-2006 Timber structures, Part 2: Timber properties](https://www.standards.org.au/standards-catalogue/sa-snz/building/tm-010/as--1720-dot-2-2006)

[AS 1720.3:2016 Timber structures, Part 3: Design criteria for timber-framed residential buildings](https://www.standards.org.au/standards-catalogue/sa-snz/building/tm-010/as--1720-dot-3-colon-2016)

[AS/NZS 1720.4:2019 Timber structures, Part 4: Fire resistance of timber elements](https://www.standards.org.au/standards-catalogue/sa-snz/building/tm-010/as-slash-nzs--1720-dot-4-colon-2019)

[AS 1720.5:2015 Timber structures, Part 5: Nailplated timber roof trusses](https://www.standards.org.au/standards-catalogue/sa-snz/building/tm-010/as--1720-dot-5-colon-2015--amd--1-colon-2019)

[AS 4446-1999 Manufacture of nailplate-joined timber products](https://www.standards.org.au/standards-catalogue/sa-snz/building/tm-010/as--4446-1999)

[AS 5068-2006 Rec:2016 Timber - Finger joints in structural products - Production requirements](https://www.standards.org.au/standards-catalogue/sa-snz/building/tm-011/as--5068-2006--rec-colon-2016)

[AS 5069-2006 Rec:2016 Timber - Finger joints in non-structural products - Production requirements](https://www.standards.org.au/standards-catalogue/sa-snz/building/tm-011/as--5069-2006--rec-colon-2016)

[AS/NZS 1328.1:1998/Amdt 1:2011 Glued laminated structural timber, Part 1: Performance requirements and minimum production requirements](https://www.standards.org.au/standards-catalogue/sa-snz/building/tm-011/as-slash-nzs--1328-dot-1-colon-1998-slash-amdt--1-colon-2011)

[AS/NZS 1328.2-1998 Glued laminated structural timber - Guidelines for AS/NZS 1328: Part 1 for the selection, production and installation of glued laminated structural timber](https://www.standards.org.au/standards-catalogue/sa-snz/building/tm-011/as-slash-nzs--1328-dot-2-1998)

[AS/NZS 4357.0:2005 Rec:2016 Structural laminated veneer lumber - Part 0: Specifications](https://www.standards.org.au/standards-catalogue/sa-snz/building/tm-011/as-slash-nzs--4357-dot-0-colon-2005--rec-colon-2016)

[AS/NZS 4357.1:2005 Rec:2016 Structural laminated veneer lumber - Part 1: Method of test for measurement of dimensions and shape](https://www.standards.org.au/standards-catalogue/sa-snz/building/tm-011/as-slash-nzs--4357-dot-1-colon-2005--rec-colon-2016)

[AS/NZS 4357.2:2006 Rec:2016 Structural laminated veneer lumber (LVL) - Part 2: Determination of structural properties - Test methods](https://www.standards.org.au/standards-catalogue/sa-snz/building/tm-011/as-slash-nzs--4357-dot-2-colon-2006--rec-colon-2016)

[AS/NZS 4357.3:2006 AMDT 1 Structural laminated veneer lumber (LVL), Part 3: Determination of structural properties - Evaluation methods](https://www.standards.org.au/standards-catalogue/sa-snz/building/tm-011/as-slash-nzs--4357-dot-3-colon-2006--amdt--1)

[AS/NZS 4357.4:2005 Rec:2016 Structural laminated veneer lumber - Part 4: Determination of formaldehyde emissions](https://www.standards.org.au/standards-catalogue/sa-snz/building/tm-011/as-slash-nzs--4357-dot-4-colon-2005--rec-colon-2016)

[AS/NZS ISO 10984.1:2015 Timber structures - Dowel-type fasteners, Part 1: Determination of yield moment](https://www.standards.org.au/standards-catalogue/sa-snz/building/tm-010/as-slash-nzs--iso--10984-dot-1-colon-2015)

[AS/NZS ISO 10984.2:2015 Timber structures - Dowel-type fasteners, Part 2: Determination of embedding strength](https://www.standards.org.au/standards-catalogue/sa-snz/building/tm-010/as-slash-nzs--iso--10984-dot-2-colon-2015)

[ISO 10983:2014 Timber -- Finger joints -- Minimum production requirements and testing methods](https://www.standards.org.au/standards-catalogue/international/iso--other/iso--10983-colon-2014)

[ISO 10984-1:2009 Timber structures -- Dowel-type fasteners](https://www.standards.org.au/standards-catalogue/international/iso--other/iso--10984-1-colon-2009)

[ISO 10984-2:2009 Timber structures -- Dowel-type fasteners](https://www.standards.org.au/standards-catalogue/international/iso--other/iso--10984-2-colon-2009)

[ISO 12122-1:2014 Timber structures -- Determination of characteristic values](https://www.standards.org.au/standards-catalogue/international/iso--other/iso--12122-1-colon-2014)

[ISO 12122-3:2016 Timber structures -- Determination of characteristic values](https://www.standards.org.au/standards-catalogue/international/iso--other/iso--12122-3-colon-2016)

[ISO 12122-4:2017 Timber structures -- Determination of characteristic values](https://www.standards.org.au/standards-catalogue/international/iso--other/iso--12122-4-colon-2017)

[ISO 12122-5:2018 Timber structures -- Determination of characteristic values](https://www.standards.org.au/standards-catalogue/international/iso--other/iso--12122-5-colon-2018)

[ISO 12122-6:2017 Timber structures -- Determination of characteristic values](https://www.standards.org.au/standards-catalogue/international/iso--other/iso--12122-6-colon-2017)

[ISO 12578:2016 Timber structures -- Glued laminated timber -- Component performance requirements](https://www.standards.org.au/standards-catalogue/international/iso--other/iso--12578-colon-2016)

[ISO 12579:2007 Timber structures -- Glued laminated timber -- Method of test for shear strength of glue lines](https://www.standards.org.au/standards-catalogue/international/iso--other/iso--12579-colon-2007)

[ISO 12580:2007 Timber structures -- Glued laminated timber -- Methods of test for glue-line delamination](https://www.standards.org.au/standards-catalogue/international/iso--other/iso--12580-colon-2007)

[ISO 13910:2014 Timber structures -- Strength graded timber -- Test methods for structural properties](https://www.standards.org.au/standards-catalogue/international/iso--other/iso--13910-colon-2014)

[ISO 16507:2013 Timber structures -- Uniform, concentrated static and concentrated impact loads on wood-based roof and floor panel assemblies -- Test methods](https://www.standards.org.au/standards-catalogue/international/iso--other/iso--16507-colon-2013)

[ISO 16572:2008 Timber structures -- Wood-based panels -- Test methods for structural properties](https://www.standards.org.au/standards-catalogue/international/iso--other/iso--16572-colon-2008)

[ISO 16598:2015 Timber structures -- Structural classification for sawn timber](https://www.standards.org.au/standards-catalogue/international/iso--other/iso--16598-colon-2015)

[ISO 16670:2003 Timber structures -- Joints made with mechanical fasteners -- Quasi-static reversed-cyclic test method](https://www.standards.org.au/standards-catalogue/international/iso--other/iso--16670-colon-2003)

[ISO 16696-1:2019 Timber structures - Cross laminated timber](https://www.standards.org.au/standards-catalogue/international/iso--other/iso--16696-1-colon-2019)

[ISO 17087:2006 Specifications for adhesives used for finger joints in non-structural lumber products](https://www.standards.org.au/standards-catalogue/international/iso--other/iso--17087-colon-2006)

[ISO 17754:2014 Timber structures -- Test methods -- Torsional resistance of driving in screws](https://www.standards.org.au/standards-catalogue/international/iso--other/iso--17754-colon-2014)

[ISO 18100:2017 Timber structures -- Finger-jointed timber -- Manufacturing and production requirements](https://www.standards.org.au/standards-catalogue/international/iso--other/iso--18100-colon-2017)

[ISO 18324:2016 Timber structures -- Test methods -- Floor vibration performance](https://www.standards.org.au/standards-catalogue/international/iso--other/iso--18324-colon-2016)

[ISO 18402:2016 Timber structures -- Structural insulated panel roof construction](https://www.standards.org.au/standards-catalogue/international/iso--other/iso--18402-colon-2016)

[ISO 19049:2016 Timber structures -- Test method -- Static load tests for horizontal diaphragms including floors and roofs](https://www.standards.org.au/standards-catalogue/international/iso--other/iso--19049-colon-2016)

[ISO 19323:2018 Timber structures -- Joist hangers -- Test methods](https://www.standards.org.au/standards-catalogue/international/iso--other/iso--19323-colon-2018)

[ISO 19993:2020 Timber structures -- Glued laminated timber -- Face and edge joint cleavage test](https://www.standards.org.au/standards-catalogue/international/iso--other/iso--19993-colon-2020)

[ISO 20152-1:2010 Timber structures -- Bond performance of adhesives](https://www.standards.org.au/standards-catalogue/international/iso--other/iso--20152-1-colon-2010)

[ISO 20152-2:2011 Timber structures -- Bond performance of adhesives](https://www.standards.org.au/standards-catalogue/international/iso--other/iso--20152-2-colon-2011)

[ISO 21581:2010 Timber structures - Static and cyclic lateral load test methods for shear walls](https://www.standards.org.au/standards-catalogue/international/iso--other/iso--21581-colon-2010)

[ISO 22389-1:2010 Timber structures -- Bending strength of I-beams](https://www.standards.org.au/standards-catalogue/international/iso--other/iso--22389-1-colon-2010)

[ISO 22389-2:2020 Timber structures -- Bending applications of I-beams](https://www.standards.org.au/standards-catalogue/international/iso--other/iso--22389-2-colon-2020)

[ISO 22390:2020 Timber structures -- Laminated veneer lumber -- Structural properties](https://www.standards.org.au/standards-catalogue/international/iso--other/iso--22390-colon-2020)

[ISO 22452:2011 Timber structures -- Structural insulated panel walls -- Test methods](https://www.standards.org.au/standards-catalogue/international/iso--other/iso--22452-colon-2011)

[ISO 6891:1983 Timber structures -- Joints made with mechanical fasteners -- General principles for the determination of strength and deformation characteristics](https://www.standards.org.au/standards-catalogue/international/iso--other/iso--6891-colon-1983)

[ISO 8375:2017 Timber structures -- Glued laminated timber -- Test methods for determination of physical and mechanical properties](https://www.standards.org.au/standards-catalogue/international/iso--other/iso--8375-colon-2017)

[ISO 8969:2011 Timber structures -- Testing of punched metal plate fasteners and joints](https://www.standards.org.au/standards-catalogue/international/iso--other/iso--8969-colon-2011)

[ISO 8970:2020 Timber structures -- Testing of joints made with mechanical fasteners -- Requirements for timber density](https://www.standards.org.au/standards-catalogue/international/iso--other/iso--8970-colon-2020)

[ISO/TR 18267:2013 Timber structures -- Review of design standards](https://www.standards.org.au/standards-catalogue/international/iso--other/iso-slash-tr--18267-colon-2013)

[ISO/TR 19623:2019 Timber structures -- Glued laminated timber -- Assignment of glued laminated timber characteristic values from laminate properties](https://www.standards.org.au/standards-catalogue/international/iso--other/iso-slash-tr--19623-colon-2019)

[ISO/TR 20152-3:2013 Timber structures -- Bond performance of adhesives](https://www.standards.org.au/standards-catalogue/international/iso--other/iso-slash-tr--20152-3-colon-2013)

[ISO/TR 21136:2017 Timber structures -- Vibration performance criteria for timber floors](https://www.standards.org.au/standards-catalogue/international/iso--other/iso-slash-tr--21136-colon-2017)

* Plywood

[AS 6669:2016 Plywood - Formwork](https://www.standards.org.au/standards-catalogue/sa-snz/building/tm-011/as--6669-colon-2016)

[AS/NZS 1604.3-2012 Specification for preservative treatment - Plywood](https://www.standards.org.au/standards-catalogue/sa-snz/building/tm-012/as-slash-nzs--1604-dot-3-2012)

[AS/NZS 2097:2006 Rec:2016 Methods for sampling veneer and plywood](https://www.standards.org.au/standards-catalogue/sa-snz/building/tm-011/as-slash-nzs--2097-colon-2006--rec-colon-2016)

[AS/NZS 2098.0:2006 Rec:2016 Methods of test for veneer and plywood - Part 0: General introduction and list of methods](https://www.standards.org.au/standards-catalogue/sa-snz/building/tm-011/as-slash-nzs--2098-dot-0-colon-2006--rec-colon-2016)

[AS/NZS 2098.1:2006 Rec:2016 Methods of test for veneer and plywood - Method 1: Moisture content of veneer and plywood](https://www.standards.org.au/standards-catalogue/sa-snz/building/tm-011/as-slash-nzs--2098-dot-1-colon-2006--rec-colon-2016)

[AS/NZS 2098.2:2012 Methods of test for veneer and plywood, Method 2: Bond quality of plywood (chisel test)](https://www.standards.org.au/standards-catalogue/sa-snz/building/tm-011/as-slash-nzs--2098-dot-2-colon-2012)

[AS/NZS 2098.3:2006 Rec:2016 Methods of test for veneer and plywood - Method 3: Bond quality and strength of scarf joints in plywood](https://www.standards.org.au/standards-catalogue/sa-snz/building/tm-011/as-slash-nzs--2098-dot-3-colon-2006--rec-colon-2016)

[AS/NZS 2098.4:2006 Rec:2016 Methods of test for veneer and plywood - Method 4: Measurement of dimensions and shape for sheets of veneer and plywood](https://www.standards.org.au/standards-catalogue/sa-snz/building/tm-011/as-slash-nzs--2098-dot-4-colon-2006--rec-colon-2016)

[AS/NZS 2098.5:2006 Rec:2016 Methods of test for veneer and plywood - Method 5: Resistance of gluelines in plywood to attack by micro-organisms](https://www.standards.org.au/standards-catalogue/sa-snz/building/tm-011/as-slash-nzs--2098-dot-5-colon-2006--rec-colon-2016)

[AS/NZS 2098.6:2006 Rec:2016 Methods of test for veneer and plywood - Method 6: Depth of peeler checks in veneer and plywood](https://www.standards.org.au/standards-catalogue/sa-snz/building/tm-011/as-slash-nzs--2098-dot-6-colon-2006--rec-colon-2016)

[AS/NZS 2098.7:2006 Rec:2016 Methods of test for veneer and plywood - Method 7: Density of veneer and plywood](https://www.standards.org.au/standards-catalogue/sa-snz/building/tm-011/as-slash-nzs--2098-dot-7-colon-2006--rec-colon-2016)

[AS/NZS 2098.8:2006 Rec:2016 Methods of test for veneer and plywood - Method 8: Water absorption and thickness swelling of unpainted plywood](https://www.standards.org.au/standards-catalogue/sa-snz/building/tm-011/as-slash-nzs--2098-dot-8-colon-2006--rec-colon-2016)

[AS/NZS 2098.11:2005 Rec:2016 Methods of test for veneer and plywood - Method 11: Determination of formaldehyde emissions for plywood](https://www.standards.org.au/standards-catalogue/sa-snz/building/tm-011/as-slash-nzs--2098-dot-11-colon-2005--rec-colon-2016)

[AS/NZS 2269.0:2012 Plywood - Structural, Part 0: Specifications](https://www.standards.org.au/standards-catalogue/sa-snz/building/tm-011/as-slash-nzs--2269-dot-0-colon-2012--amd--1-colon-2015)

[AS/NZS 2269.1:2012 Plywood - Structural, Part 1: Determination of structural properties - Test methods](https://www.standards.org.au/standards-catalogue/sa-snz/building/tm-011/as-slash-nzs--2269-dot-1-colon-2012)

[AS/NZS 2269.2:2007 Plywood - Structural, Part 2: Determination of structural properties - Evaluation methods](https://www.standards.org.au/standards-catalogue/sa-snz/building/tm-011/as-slash-nzs--2269-dot-2-colon-2007)

[AS/NZS 2270:2006 Rec:2016 Plywood and blockboard for interior use](https://www.standards.org.au/standards-catalogue/sa-snz/building/tm-011/as-slash-nzs--2270-colon-2006--rec-colon-2016)

[AS/NZS 2271:2004 Rec:2016 Plywood and blockboard for exterior use](https://www.standards.org.au/standards-catalogue/sa-snz/building/tm-011/as-slash-nzs--2271-colon-2004--rec-colon-2016)

[AS/NZS 2272:2006 Rec:2016 Plywood - Marine](https://www.standards.org.au/standards-catalogue/sa-snz/building/tm-011/as-slash-nzs--2272-colon-2006--rec-colon-2016)

[AS/NZS 2754.1:2016 Adhesives for timber and timber products, Part 1: Adhesives for manufacture of plywood and laminated veneer lumber (LVL)](https://www.standards.org.au/standards-catalogue/sa-snz/building/tm-011/as-slash-nzs--2754-dot-1-colon-2016)

[ISO 1096:2021 Plywood -- Classification](https://www.standards.org.au/standards-catalogue/international/iso--other/iso--1096-colon-2021)

[ISO 12465:2007 Plywood -- Specifications](https://www.standards.org.au/standards-catalogue/international/iso--other/iso--12465-colon-2007)

[ISO 12466-1:2007 Plywood -- Bonding quality](https://www.standards.org.au/standards-catalogue/international/iso--other/iso--12466-1-colon-2007)

[ISO 12466-2:2007 Plywood -- Bonding quality](https://www.standards.org.au/standards-catalogue/international/iso--other/iso--12466-2-colon-2007)

[ISO 13608:2014 Plywood -- Decorative veneered plywood](https://www.standards.org.au/standards-catalogue/international/iso--other/iso--13608-colon-2014)

[ISO 13609:2021 Wood-based panels -- Plywood -- Blockboards and battenboards](https://www.standards.org.au/standards-catalogue/international/iso--other/iso--13609-colon-2021)

[ISO 1954:2013 Plywood -- Tolerances on dimensions](https://www.standards.org.au/standards-catalogue/international/iso--other/iso--1954-colon-2013)

[ISO 2074:2007 Plywood -- Vocabulary](https://www.standards.org.au/standards-catalogue/international/iso--other/iso--2074-colon-2007)

[ISO 2426-1:2020 Plywood -- Classification by surface appearance](https://www.standards.org.au/standards-catalogue/international/iso--other/iso--2426-1-colon-2020)

[ISO 2426-2:2020 Plywood -- Classification by surface appearance](https://www.standards.org.au/standards-catalogue/international/iso--other/iso--2426-2-colon-2020)

[ISO 2426-3:2000 Plywood -- Classification by surface appearance](https://www.standards.org.au/standards-catalogue/international/iso--other/iso--2426-3-colon-2000)

[ISO 2426-4:2018 Plywood -- Classification by surface appearance](https://www.standards.org.au/standards-catalogue/international/iso--other/iso--2426-4-colon-2018)

* Reconstituted wood-based panels

[AS/NZS 1859.1:2017 Reconstituted wood-based panels - Specifications, Part 1: Particleboard](https://www.standards.org.au/standards-catalogue/sa-snz/building/tm-011/as-slash-nzs--1859-dot-1-colon-2017)

[AS/NZS 1859.2:2017 Reconstituted wood-based panels - Specifications, Part 2: Dry process fibreboard](https://www.standards.org.au/standards-catalogue/sa-snz/building/tm-011/as-slash-nzs--1859-dot-2-colon-2017)

[AS/NZS 1859.3:2017 Reconstituted wood-based panels - Specifications, Part 3: Decorative overlaid wood panels](https://www.standards.org.au/standards-catalogue/sa-snz/building/tm-011/as-slash-nzs--1859-dot-3-colon-2017)

[AS/NZS 1859.4:2018 Reconstituted wood-based panels - Specifications, Part 4: Wet process fibreboard](https://www.standards.org.au/standards-catalogue/sa-snz/building/tm-011/as-slash-nzs--1859-dot-4-colon-2018)

[AS/NZS 1860.1:2017 Particleboard Flooring, Part 1: Specifications](https://www.standards.org.au/standards-catalogue/sa-snz/building/tm-011/as-slash-nzs--1860-dot-1-colon-2017)

[AS 1860.2: 2006 Rec:2016 Particleboard flooring - Part 2: Installation](https://www.standards.org.au/standards-catalogue/sa-snz/building/tm-011/as--1860-dot-2-2006--rec-colon-2016)

[AS/NZS 4266.1:2017 Reconstituted wood-based panels - Methods of testing, Part 1: Base Panels](https://www.standards.org.au/standards-catalogue/sa-snz/building/tm-011/as-slash-nzs--4266-dot-1-colon-2017--amd--1-colon-2021)

[AS/NZS 4266.2:2017 Reconstituted wood-based panels - Methods of testing, Part 2: Decorative overlaid panels](https://www.standards.org.au/standards-catalogue/sa-snz/building/tm-011/as-slash-nzs--4266-dot-2-colon-2017)

[ISO 12460-1:2007 Wood-based panels -- Determination of formaldehyde release](https://www.standards.org.au/standards-catalogue/international/iso--other/iso--12460-1-colon-2007)

[ISO 12460-2:2018 Wood-based panels -- Determination of formaldehyde release](https://www.standards.org.au/standards-catalogue/international/iso--other/iso--12460-2-colon-2018)

[ISO 12460-3:2020 Wood-based panels -- Determination of formaldehyde release](https://www.standards.org.au/standards-catalogue/international/iso--other/iso--12460-3-colon-2020)

[ISO 12460-4:2016 Wood-based panels -- Determination of formaldehyde release](https://www.standards.org.au/standards-catalogue/international/iso--other/iso--12460-4-colon-2016)

[ISO 12460-5:2015 Wood-based panels -- Determination of formaldehyde release](https://www.standards.org.au/standards-catalogue/international/iso--other/iso--12460-5-colon-2015)

[ISO 16572:2008 Timber structures -- Wood-based panels -- Test methods for structural properties](https://www.standards.org.au/standards-catalogue/international/iso--other/iso--16572-colon-2008)

[ISO 16893:2016 Wood-based panels -- Particleboard](https://www.standards.org.au/standards-catalogue/international/iso--other/iso--16893-colon-2016)

[ISO 16894:2009 Wood-based panels -- Oriented strand board (OSB) -- Definitions, classification and specifications](https://www.standards.org.au/standards-catalogue/international/iso--other/iso--16894-colon-2009)

[ISO 16895:2016 Wood-based panels -- Dry-process fibreboard](https://www.standards.org.au/standards-catalogue/international/iso--other/iso--16895-colon-2016)

[ISO 17064:2016 Wood-based panels -- Fibreboard, particleboard and oriented strand board (OSB) -- Vocabulary](https://www.standards.org.au/standards-catalogue/international/iso--other/iso--17064-colon-2016)

[ISO 20585:2005 Wood-based panels - Determination of wet bending strength after immersion in water at 70 degrees C or 100 degrees C (boiling temperature)](https://www.standards.org.au/standards-catalogue/international/iso--other/iso--20585-colon-2005)

[ISO 27528:2009 Wood-based panels -- Determination of resistance to axial withdrawal of screws](https://www.standards.org.au/standards-catalogue/international/iso--other/iso--27528-colon-2009)

[ISO 27769:2016 Wood-based panels -- Wet process fibreboard](https://www.standards.org.au/standards-catalogue/international/iso--other/iso--27769-colon-2016)

* Chain of Custody

[AS 4707:2021 Chain of Custody of Forest and Tree-based Products - Requirements](https://www.standards.org.au/standards-catalogue/others/afsl/as--4707-colon-2021)

Prefabricated timber building systems

Four new units of competency were released with the *FWP Forest and Wood Products Training Package* 4.0 to address critical skills and knowledge requirements in the design, on-site manufacture and off-site installation of prefabricated timber building systems:

* FWPTMM3208 Apply critical workplace processes in the manufacture of prefabricated timber building systems
* FWPTMM3209 Install prefabricated timber building systems on-site
* FWPTMM5209 Determine prefabricated timber building systems designs for compliance, manufacture and installation
* FWPTMM5210 Verify compliance and conformance of prefabricated timber building systems during manufacture

1. Industry expectations about training delivery

The industry expectation is that people assessed as competent in these new units will be equipped with the appropriate skills and knowledge to perform jobs effectively, efficiently and to meet compliance requirements in a business that operates within the prefabricated timber building systems industry.

The updated and new units of competency can be delivered and assessed in the workplace or an environment that accurately represents workplace conditions. They support implementation across a range of industry settings by providing guidance that encourages assessment in a variety of contexts and applications.

1. How training package components meet occupation and licensing requirements

The skills and knowledge covered by the updated and new units of competency are applied in a timber building systems manufacturing facility or a timber construction environment. No licencing requirements are required to conduct the jobs described by these units of competencies.

However, the following two units, *FWPTMM3208 Apply critical workplace processes in the manufacture of prefabricated timber building systems* and *FWPTMM3209 Install prefabricated timber building systems on-site,* are targeted to occupations such as wood machinists, carpenters, joiners, construction workers or other trade operators, and the learners are required to have an appropriate trade qualification or equivalent before undertaking this training.

Likewise, the learners of the *FWPTMM5209 Determine prefabricated timber building systems designs for compliance, manufacture and installation* are expected to be architects, design engineers, draftspersons, structural engineers, building services engineers or architectural technicians and, thus, have an appropriate building design qualification.

Significant industry feedback indicated that the new units of competency should specify that they are intended for people with previous occupational qualifications and skills. As a result, the following statements were included in the Application section of the new units.

“In order to undertake this unit, individuals must have a relevant trade qualification or equivalent”

or

“In order to undertake this unit, individuals must have a relevant building design qualification or equivalent.”

Learners of the updated and new units of competency are also expected to meet workplace and legal obligations related to work health and safety, apply relevant standards and perform activities according to workplace procedures and operational requirements. These requirements are explicitly reflected throughout the units.

1. Industry standards and codes needed to be considered when delivering and assessing the prefabricated timber building systems units of competency:

* Structural design

The National Construction Code (NCC)

AS 1170.0 – Structural design actions – General Principles

AS 1170.1 – Structural design actions – permanent, imposed and other actions provides the basis for determination of appropriate dead, live design loads and loads combinations

AS 1170.2 – Structural design actions – wind actions – which provides the basis for wind loads

AS 1170.4 – Structural design actions – Earthquake actions in Australia – which provides guidance and design procedures for earthquake forces

AS 1720.1 – Timber structures – Design methods

AS 2796 Timber - Hardwood - Sawn and milled products

AS 2082 Timber - Hardwood - Visually stress-graded for structural purposes

AS 4785 Timber - Softwood - Sawn and milled products

AS 1810 Timber – Seasoned cypress pine - Milled products

Technical Design Guides by Forest and Wood Products Australia (FWPA)

#01 Timber-framed Construction for Townhouse Buildings Class 1a

#02 Timber-framed Construction for Multi-residential Buildings Class 2 and 3

#03 Timber-framed Construction for Commercial Buildings Class 5, 6, 9a & 9b

#04 Building with Timber in Bushfire-prone Areas

#05 Timber Service Life Design – Design Guide for Durability

#15 Fire Design

#16 Massive Timber Construction Systems: Cross-laminated Timber (CLT)

#17 Alternative Solution Fire Compliance, Timber Structures

#18 Alternative Solution Compliance Facades

#20 Fire Precautions during Construction of Large Buildings

#38 Fire Safety Engineering Design of Mid-Rise Buildings

#39 Robustness in Structures

* Test-based design approaches

AS 1170.0 – Structural design actions – General Principles (Appendix B)

* Durability

Technical Design Guides by Forest and Wood Products Australia (FWPA)

#05 Timber Service Life Design – Design Guide for Durability

AS/NZS 1604.4 – Specification for preservative treatment. Part 4 Laminated veneer lumber (LVL)

AS/NZS 1604.5 – Specification for preservative treatment. Part 5 Glued laminated timber products

AS 5604 – Timber – Natural durability ratings

AS 4678 - Earth-Retaining Structures

BCA Durability Design Life Guideline

* Safety

Work Health and Safety (WHS) Act (2011)

Occupational Health and Safety Act (2004) and Regulations (2007)

Safe Design of Structures – Code of Practice (2012)

National Construction Code of Australia (2016)

* Hydraulics

AS/NZS 3500 Plumbing and drainage

AS/NZS 5601 Gas installations

Plumbing Code of Australia

WaterMark™ certification scheme

* Electrical

AS/NZS 3000 Electrical installations (also known as the Australian/New Zealand Wiring Rules)

Low Voltage Directive

* HVAC Mechanical

AS/NZS 1668 The use of ventilation and air conditioning in buildings (particularly Parts 1–2)

AS/NZS 3000 Electrical installations (also known as the Australian/New Zealand Wiring Rules)

AS/NZS 3013 Electrical installations — Classification of the fire and mechanical performance of wiring system elements

AS 3666 Air-handling and water systems of buildings

AS 4254 Ductwork for air-handling systems in buildings.

* Joint/connections involving timber

AS 1720 Timber Structures

Eurocode 5 (EN 1995-1-1:2004)

* Transport

Heavy Vehicle National Law as passed in States and Territories

Road Transport Reform (Mass and Loading) Regulations (1995).

Code of Practice for Packing of Cargo Transport Units of the International Maritime Organisation

Load Restraint Guide of the National Heavy Vehicle Regulator

* Other technical design guides

Handbook for the Design of Modular Structures

Timber Truss and Frame Estimating and Design

The timber truss and frame industry is critically important to Australia’s economy and its people, as a high proportion of modern homes and buildings require its products. For this reason, timber systems designers and manufacturing operators play a crucial role in making sure a building is structurally sound, requiring skills to read architectural plans to calculate material quantities and costs. They are also responsible for producing timber system wall and/or truss fabrication plans, documents and products that adhere to building codes and standards and making sure that the communication between the factory floor and construction businesses are fit for purpose.

As the timber systems designers and fabricators perform two distinct job roles, two Certificate III qualifications are now available for the timber truss and frame sector to reflect this distinction in skills and learning outcomes. These qualifications are: *the FWP31220 Certificate III in Timber Systems Design* and the *FWP30920 Certificate III in Timber Frame or Truss Manufacture.*

Five (5) skill sets are also available to support fabricators who wish to develop technical skills related to a job function as opposed to a complete end-to-end manufacturing process. Each skill set is a subset of, and will provide credits toward, the revised *FWP30920 Certificate III in Timber Frame or Truss Manufacture.*

Timber Supply

Timber supply sector covers a range of activities that provide the link between Australian and international suppliers and producers to downstream users. This can include wholesale operators who sell to timber retailers or companies that construct housing or timber products; the timber retailers and timber product companies themselves; and distributors who negotiate deals across the globe. Those working within timber supply play an integral role in facilitating the sale of timber and timber products.

Timber sales operations have evolved significantly over the last few years, and these significant changes include:

* Timber trade sales and the imports of a wide range of engineered wood products is a growing sector due to the ongoing construction of residential and commercial buildings and the sustainable benefits of timber in these developments.
* With the growing sales of timber to building construction businesses and trade customers, most hardware stores have transitioned a large proportion of their retail operations to the timber trade. These stores have adopted a business-to-business model and a ‘whole of house’ concept.
* Sourcing timber and timber building systems from international markets have placed a greater emphasis on the verification of product compliance with the Australian Illegal Logging Prohibition Act, certification systems, legality verification systems and the Australian Standards for the engineering and design of timber building systems.
* To support the growing complexity of this sector, the IT systems that are available to timber sales operations have also increased in sophistication.

The *FWP30622 Certificate III in Timber Building Products Supply* has been developed to support industry jobs and evolving skills requirements, particularly in relation to the growing sales of timber to building construction businesses and trade customers. It has been also designed to enable specialisations in the following job areas: warehousing, logistics and customer sales.

Working safely

Working safely is a major point of focus across all sectors and job levels within the industry. It is an integral part of every work activity and is central to nearly every training activity that occurs.

Employers and managers are legally required to ensure personal safety of all workers. The evidence for demonstrating that workers can perform safely and effectively in harvesting operations, is ‘holding’ adequate FOLS endorsements (see page 61) to operate tree felling and harvesting equipment such as chainsaws, bulldozers and excavators, skid steer loaders, mobile chippers and splitters, and a range of trucks and vehicles.

Production workers, operators and technicians are trained to follow and apply procedures and work practices covering a wide range of safety matters including equipment operation and isolation; emergency and evacuation procedures, use of safety equipment, first aid and firefighting equipment; wearing of personal protective equipment and clothing; hazard identification, risk control and mitigation, handling and elimination of hazardous materials and substances; manual handling including shifting, lifting and carrying; fatigue management and safe forest practices including required actions relating to forest fire. These safety matters feature extensively in the delivery and assessment of skills from Certificate II to Certificate IV.

Units and qualifications from Certificate IV through to Diploma focus on the supervision, management and control of health and safety in the workplace. Supervisors and managers need to be well versed in a wide range of legislative and requirements, particularly in relation to health and safety. Timber growing, harvesting and haulage contracting, sawmill operations and timber products production all contain high-risk activities that must be carefully monitored and managed.

Owners and managers are responsible for ensuring workers are aware of their health and safety rights and obligations; that safe work procedures are developed, implemented and followed; that equipment is safe to use and that the work environment is safe. Managers, supervisors and Occupational Health and Safety/Work Health and Safety (OHS/WHS) representatives require significant and ongoing training in carrying out risk assessments and, in the case of an incident, investigation, injury management and rehabilitation procedures. To minimise the risk of incidents, emphasis is placed on practical training such as site inductions, manual handling, hazard identification, Personal Protective Equipment (PPE) use, emergency and first aid procedures and equipment use. Fatigue and heat stress management is now recognised as a key safety imperative. Managers and supervisors are responsible for ensuring employees can recognise the causes and signs of fatigue and can take action to minimise its effects.

Forest operations and the production of wood products require the use of vehicles, heavy machinery and other equipment. Trees and logs can weigh many tonnes, and there is inherent risk in felling, handling and haulage activities. Safety training for haulage focusses on loading, unloading, load restraint and safe transport.

A number of resources to support safe forestry operations are available on [ForestWorks website](https://forestworks.com.au/), including a Log Haulage Manual, Tree Faller’s Manual and Chainsaw Operators Manual, together with interactive online resources to support leadership and management in forest industry sustainability.

Working sustainably

Sustainability is a far-reaching concept that relates to numerous environmental, economic and social aspects of forestry operations.

Strategies and initiatives that support sustainable work practices are championed and driven by management. Management is responsible for ensuring that all production workers, operators and technicians work according to legislation, regulations, industry standards, organisational policies, procedures and practices, operational controls and monitoring and measurement programs that minimise our environmental footprint. All managers along the value chain develop and implement practical initiatives for reducing, recycling or eliminating waste and chemicals, and for conserving energy, water and material use.

As a package, these measures and practices are designed to support the sustainability of any organisation. Promotion and communication of legal and regulatory obligations, as well as sustainable work practices, are undertaken beyond the organisation boundaries, reaching local businesses and communities. Examples of factors that impact on forest businesses’ sustainability, and sustainable industry practices include:

* Fungal, viral bacterial, insect and vertebrate biohazards are of particular threat to long term sustainability. The potential economic damage of a biohazard infestation may include the loss of forest value, current and future markets and damage to trading status. Sustainable forestry practices include the management of fire, weeds, soils and culturally significant landscapes, irrigation and watering strategies, and protection of native flora and fauna. Forestry technicians and managers need to carry out risk assessments of the social, economic and environmental impacts of potential infestations as well as planning the use of infestation treatments and control methods such eradication, quarantine, fumigation, use of pesticides, biological controls and culling of infected plants.
* Forest growth, productivity and sustainability factors are indicated by canopy health and growth. General forest lean, wind speed and direction, felled trees, density of trees, ground slope, soil and water protection, ground hazards and obstacles, contingencies for modifying operations during wet or other adverse weather conditions are also factors which all forestry activities, from planting and forest management through to harvesting and sawmilling, need to consider when developing sustainable operations.

Key training for workers focusses on environmental care and protection measures; impact minimisation strategies; environmental hazard identification, including threats to native vegetation, flora and fauna; land use and management; protection of heritage and archaeological artefacts, and rehabilitation strategies and activities. In downstream processing sectors, such as sawmilling, and manufacture of timber and wood panel products, key training requirements for sustainability focus on housekeeping, resource optimisation and applying waste disposal, recycling and re-use guidelines.

National forestry standards, i.e. Australian Forestry Standard Ltd (AFS) and Australian Forest Stewardship Council Standard (FSC), and the international Programme for the Endorsement of Forest Certification (PEFC) recognise sustainability in the industry through certification. Certification gives customers confidence that the products they buy are based on sustainable forestry operations and good management practices. For certification, audit and quality purposes, management needs to implement a chain of custody certification system, including a register of documents that can include timber source information, processing records, quality records, and details for numbering/labelling systems. Worker training focusses on applying practices and procedures that comply with certification, while supervisors and managers need training to ensure that policies meet the needs of the organisation and are correctly implemented.

Working innovatively

When organisations and workers learn new and improved ways of working, there is a direct and positive impact on productivity and competitiveness. To achieve a culture of collaboration and innovation, the process needs to be driven by organisation leaders and managers.

Innovative coordination of planned harvesting with production schedules along the supply chain can produce significant efficiencies and cost savings. For example, the product range, timing, and volume of value-adding processing can be significantly affected by elements of the tree harvesting plan, including available timber, equipment and resource requirements, environmental and seasonal weather factors, site preparation and landscape/habitat protection factors, labour and skill supply, and a plethora of operational issues.

Effective and efficient supply chain management by managers within and between enterprises will result from close collaboration around creative problem solving and idea generation. Improving productivity requires the opportunity to learn from expert insights and from those who have already been successful. It involves working together, participating in training, and developing practical solutions to existing challenges.

Working with the community

The ability to engage and work with local community groups is essential to the success of a project or business. In fact, people represent a key pillar for long-term sustainable operations. Community groups are represented by a diverse range of stakeholders, across a range of ages, cultures, religions, education levels and politics. Promotion programs can help achieve community buy-in by communicating the benefit of tree plantations as alternative land use and the use of timber products as an environmentally friendly alternative. Community engagement provides information on a range of matters relating to plantation management, including the benefits and opportunities for the local community. This engagement is through community events, media, and promotional activities, and through community participation. Genuine engagement strategies are all about building relationships, to establish trust.

Other key work requirements include the ability to connect with numerous individuals and organisations in the supply chain, work in regional areas, and to have practical knowledge of the forest and wood products industry.

Regulatory and organisational requirements

Aside from a strong focus on skills development for safety and sustainability, delivery and assessment from Certificate II to IV centres on familiarisation with a wide range of topics that govern how work is performed. Key training needs include regulatory requirements around award and enterprise agreements, industrial relations, Australian Standards, confidentiality and privacy, equal opportunity, anti-discrimination, relevant industry codes of practice, duty of care, heritage and traditional landowner issues.

All job roles require work to be performed according to organisational requirements and these are reflected in the FWP units and qualifications. They include requirements for recording and reporting, quality and continuous improvement, equipment use and maintenance, environmental management, organisational procedures and site guidelines, operating procedures and ethical conduct.

Supervisors and managers need skills to develop implement, monitor and evaluate organisation policies and procedures, and these skill requirements are reflected in Certificates IV through to Diploma level.

Communication

Effective interpersonal and communication skills are essential to every job role and therefore a key training requirement for industry. They relate to many aspects of work including orientation to the organisation, performing operational processes, following procedures and instructions, interacting with workers and supervisors, quality assurance and troubleshooting, workplace health and safety, dealing with customers, taking part in meetings, undertaking training and training others on the job.

Employees at all levels need to communicate effectively with a range of individuals and groups including clients, contractors, land owners, builders, supervisors and managers, production and technical staff, designers, building certifiers and software providers.

Core interpersonal skills include verbal and non-verbal language, hand or other agreed signals, eye contact, active listening, questioning and use of electronic communication devices, such as two-way radios.

Key training for operators and support staff relates to reading and interpreting routine information, including procedures and work instructions, manuals, checklists, plans and diagrams, sketches and illustrations, signage and maps, and safety data sheets. Supervisors, managers and specialist technical staff need advanced skills to critically read, analyse and evaluate text.

Writing skills for operators and technicians including recording production and quality information on proformas, reporting faults and downtime. Higher-level written skills are needed by supervisors, managers and specialist technical staff, who are required to produce reports and a range of complex information for a variety of recipients.

A key training need for operators and technical staff relates to the identification of timber qualities, to ensure products meet required quality specifications. Skills include assessing timber characteristics and grades such as colour, density, texture and grain, as well as identification of damage and defects to timber including contamination, insect attack, surface finish, colour, loose surfaces, bubbles, holes, warp, wane, cupping, shakes, insect defects, knots, resin pockets, breakages and machine-caused defects.

Other factors impacting on training delivery and assessment

a) Regional training delivery

Forestry work is often based in specific geographic regions, such as the Green Triangle region of Victoria and South Australia, areas of Tasmania, the South West of Western Australia, far North Queensland and forest and plantations throughout New South Wales. Mills are often located close to the wood source to minimise transport costs and aid in production. The majority of training is undertaken by existing workers and is hands-on, utilising on-site materials, such as trees, logs and sawn timber, as well as resources, such as products, machines and human resources. Training therefore needs to occur on site or at facilities convenient to the workplace. The high investment cost of machinery and equipment also means that, to be economically viable, some training needs to be workplace based.

b) Just in time

Whilst training is often spread thinly across states and regions, there is a consistent demand for skilled personnel, from operators through to senior management. Demand occurs at all times of the year, so it is important that training takes place not only where it is needed, but also when it is needed. Public and private training providers often work with small groups of learners to fulfil a particular demand, such as chainsaw operation, saw technician, or harvesting machinery operation.

Implementation information

Industry sectors

The *FWP Forest and Wood Products* Training Package includes the following industry sectors:

| Code | Unit Sector |
| --- | --- |
| COR | Core |
| COT | Common Technical |
| FGM | Forest Growing and Management |
| FIR | Fire Control |
| FOM | Forest Operations Management |
| FRM | Forest Resource Management |
| HAR | Harvesting and Haulage |
| NSY | Forest Nursery Production |
| SIL | Silviculture |
| SAW | Sawmilling and Processing |
| TMM | Timber Manufactured Products |

Occupational outcomes of qualifications

The units of competency, skill sets and qualifications in the *FWP Forest and Wood Products* Training Package cover a diverse range of work activities within the industry.

The following table lists the qualifications and provides an overview of occupational outcomes for each qualification.

| Qualification | Overview of occupational outcomes |
| --- | --- |
| Diploma (level 5)  FWP50121 Diploma of Forest Operations | The Diploma qualification reflects the role of individuals who apply integrated technical and theoretical concepts in a broad range of contexts and undertake skilled or paraprofessional work. The Diploma is suitable for supervisors, managers and specialist job roles. The Diploma serves also as a pathway for further learning. |
| Certificate IV  FWP40121 Certificate IV in Forest Operations  FWP40222 Certificate IV in Timber and Wood Products operations  FWP40420 Certificate IV in Timber Systems Design | The Certificate IV qualification reflects the role of individuals to undertake work in varied contexts using a broad range of specialised knowledge and skills. Certificate IV is suitable for senior workers and technicians who supervise or lead teams. Certificate IV also serves as a pathway for further learning. |
| Certificate III  FWP30122 Certificate III in Forest Operations  FWP30322 Certificate III in Timber and Wood Products 0perations  FWP30622 Certificate III in Timber Building Products Supply  FWP30920 Certificate III in Timber Frame and Truss Manufacture  FWP31021 Certificate III in Saw Technology  FWP31121 Certificate III in Wood Machining  FWP31220 Certificate III in Timber Systems Design | The Certificate III qualification reflects the role of individuals required to apply a broad range of knowledge and skills in varied contexts and undertake skilled work. Certificate III is suitable for experienced operators, technicians and trades workers. Certificate III serves also as a pathway for further learning. |
| Certificate II  FWP20122 Certificate II in Forest Operations  FWP20322 Certificate II in Timber and Wood Products Operations | The Certificate II qualification reflects the role of individuals who undertake mainly routine work. Generally, Certificate II is used as an induction into the industry and is aligned to operator, production and assistant roles. Certificate II serves also to offer a pathway for further learning. |

Occupational outcomes for industry sectors

The following table provides a summary of typical occupational outcomes for each AQF qualification in each industry sector.

| **Industry Sectors and Occupational Outcomes of Qualifications** | | | | | |
| --- | --- | --- | --- | --- | --- |
| **AQF Level** | **Forest Growing and Management** | **Harvesting and Haulage** | **Timber and Wood Products Production** | **Timber Building Solutions** | **Timber Supply** |
| 2 | * • Forest Nursery Production Worker (Assistant) * • Silviculture Worker * • Tree Planter * • Tree Pruner * • Pest and Weed Controller * • Chainsaw Operator – Basic * • Forestry Worker * • Farm Forestry Worker | * • Harvesting Worker (Assistant) * • Chainsaw Operator (Tree Feller and Cross Cutter) – Basic | • Production Support Worker | • Production Support Worker | • Customer Service / Sales Assistant (Retail or Wholesale) |
| 3 | * • Forest Nursery Production Operator * • Silviculture Operator * • Mechanical Site Preparation Operator * • Earthmoving Plant Operator * • Bulldozer Operator * •Excavator Operator * • Chainsaw Operator (Tree Feller) – Intermediate to Advanced * • Forest Firefighter | • Mechanised Harvesting Machine Operator  • Feller Buncher Operator  • Single Grip Harvester Operator  • Log Extraction Machine Operator  • Forwarder Operator  • Loader Operator  • Skidder Operator  • Cable Logging Operator  • Chainsaw Operator (Tree Feller) – Intermediate to Advanced  • Mechanised In-field Wood Chipper Operator  • Log truck driver  • Forest Firefighter | • Process Operator  • Machine Operator  • Kiln Operator  • Treatment Plant Operator  • Timber Grader  • Optimisation Technician  • Saw Technician  • Wood Machinist | • Press Operator  • Jig Setter  • Machine Operator  • Timber Fabricator (Truss & Frame)  • Timber Systems Designer / Estimator (Truss & Frame) | • Customer Service / Sales Assistant (Retail or Wholesale)  • Customer Service Officer  • Sales and Merchandising Team Leader  • Sales and Merchandising Team Leader (Timber Products)  • Timber Advisor |
| 4 | • Forest Operations Supervisor  • Forest Firefighting and Prevention Supervisor | • Harvesting Supervisor  • Harvesting Crew Leader  • Forest Firefighting and Prevention Supervisor | • Production Supervisor (Log Yard, Log Processing, Timber Dry Mill, Timber Kiln Drying, Timber Treatment, Engineered Wood Products)  • Optimisation Manager | • Timber Systems Designer / Detailer (Truss & Frame) | N/A |
| 5 | • Early Career Forester  • Forestry Field Officer  • Forest Operations Supervisor  • Forest Resource Management Technician | N/A | N/A | N/A | N/A |

Key features of the training package and the industry that will impact on the selection of training pathways

A pathway is the route or course of action taken to get to a destination. A training pathway describes learning activities or experiences used to attain the competencies needed to achieve career goals.

AQF Qualifications Pathways Policy Requirements

The AQF Qualifications Pathways Policy, as part of the Australian Qualifications Framework, supports students’ lifelong learning by aiming to:

* recognise the multiple pathways that students take to gain AQF qualifications and that learning can be formal and informal
* enhance student progression into and between AQF qualifications, both horizontally (across AQF qualifications at the same level) and vertically (between qualifications at different levels)
* support the development of clear pathways in the design of qualifications.

Multiple pathways to gain qualifications

In line with requirements of the AQF Pathways Policy, the *FWP Forest and Wood Products* Training Package allows for individuals to follow a training and assessment pathway, or recognition of prior learning (RPL) pathway (or combinations of each pathway) to complete the units of competency needed to be awarded a qualification. These pathways are shown in the following diagram.

**Units of Competency**

**Training and assessment pathway**

**RPL pathway**

**Record of results**

**Statement of Attainment**

**AQF Qualification**

Training and assessment pathway

Training and assessment pathways usually incorporate a mix of formal, structured training and workplace experience to build skills and knowledge together with formative and summative assessment activities through which individuals can demonstrate their skills and knowledge. Structured training and assessment courses may be conducted:

* face-to-face
* by distance or e-learning
* in the workplace.
* by combining face-to-face, distance, e-learning and/or workplace delivery.

**The AQF Qualifications Pathways Policy is available to download form the Australian Qualifications Framework website: <https://www.aqf.edu.au/sites/aqf/files/aqf\_pathways\_jan2013.pdf>**

RPL pathway

RPL acknowledges that individuals may already have the skills and knowledge required for all or part of a qualification. Individuals can gain credit towards a qualification by providing evidence of their current competency, which may have been gained through formal or informal learning, work experience or general life experience.

Australian apprenticeships/traineeships

Apprenticeships and traineeships are legally binding training arrangements, between an employer and employee, which combine training with paid employment. Australian Apprenticeships are delivered through a cooperative arrangement between the Australian Government, state and territory governments, industry employers and RTOs. Each State or Territory Training Authority (STA/TTA) is responsible for apprenticeships and traineeships in its jurisdiction.

Industry stakeholders consider that the qualifications listed below may be suitable for delivery as apprenticeships/traineeships. Training package users are advised to contact the relevant STA/TTA for further advice.

The qualifications in the *FWP Forest and Wood Products* Training Package are available from AQF levels 1 through 6 and may be suitable to be undertaken as an Australian Apprenticeship:

* FWP20122 Certificate II in Forest Operations
* FWP20322 Certificate II in Timber and Wood Products Operations
* FWP30122 Certificate III in Forest Operations
* FWP30322 Certificate III in Timber and Wood Products Operations
* FWP30622 Certificate III in Timber Building Products Supply
* FWP30920 Certificate III in Timber Frame or Truss Manufacture
* FWP31021 Certificate III in Saw Technology
* FWP31121 Certificate III in Wood Machining
* FWP31220 Certificate III in Timber Systems Design
* FWP40121 Certificate IV in Forest Operations
* FWP40222 Certificate IV in Timber and Wood Products Operations
* FWP40420 Certificate IV in Timber Systems Design
* FWP50121 Diploma of Forest Operations

**The Australian Apprenticeships website has information about traineeships and apprenticeships. Visit <www.australianapprenticeships.gov.au> for more information.**

**STA contact details are provided in the Links section of this Implementation Guide.**

VET for secondary students

Vocational Education and Training (VET) programs enable students to acquire workplace skills and knowledge while they are still at school. Successful completion of a VET program provides a student with a nationally recognised AQF qualification (or particular units of competency), usually as part of a senior secondary certificate. VET programs are packaged and delivered in various ways across Australia. The three main delivery arrangements used are:

* schools hold RTO status
* school sectoral bodies (such as Boards of Studies or regional offices) hold RTO status on behalf of a group of schools
* schools work in partnership with RTOs.

All Certificate I and Certificate II qualifications in the *FWP Forest and Wood Products* Training Package are considered pathway qualifications and may be suitable as VET programs for secondary students. Training package users should contact the relevant STA to confirm whether a particular qualification can be delivered in VET programs for secondary students.

* FWP20122 Certificate II in Forest Operations
* FWP20322 Certificate II in Timber and Wood Products Operations
* FWP30622 Certificate III in Timber Building Products Supply
* FWP31220 Certificate III in Timber Systems Design

Progression between qualifications

Qualifications have been designed to allow learners to progress into and between qualifications. The following diagram shows the various options for movement into and between qualifications in the *FWP Forest and Wood Products* Training Package.

Examples of pathways into qualifications

*FWP20322 Certificate II in Timber and Wood Products Operations*

This qualification was updated in *FWP Forest and Wood Products* Training Package Version 8.0 and includes additional elective units of competency that can provide a pathway into trade qualifications of wood machining and saw technology.

This qualification may be offered as a pre-apprenticeship to candidates who would like to focus on developing skills towards apprenticeship level qualifications such as *FWP31121 Certificate III in Wood Machining* and *FWP31021 Certificate III in Saw Technology*.

Examples of units of competency from the Certificate II in Timber and Wood Products Operations that may provide entry-level training and attract a credit transfer to the apprenticeship level qualifications include:

Entry points to *FWP31121 Certificate III in Wood Machining*

* FWPCOT2215 Visually stress grade hardwood
* FWPCOT2216 Visually stress grade softwood
* FWPCOT2244 Operate and maintain a thicknesser
* FWPCOT2257 Use hand-held tools
* FWPCOT2268 Cut timber or engineered wood product to length or dimensions
* FWPCOT2269 Operate and maintain a table saw
* FWPCOT3302 Access and provide timber and wood product information

Entry points to *FWP31021 Certificate III in Saw Technology*

* FWPCOT3271 Hand sharpen knives and blades for commercial and domestic cutting services
* FWPCOT3276 Sharpen cutters using a straight knife grinder
* FWPSAW3247 Replace tungsten tips
* MEM05006 Perform brazing and/or silver soldering
* MEM11011 Undertake manual handling
* MEM13015 Work safely and effectively in manufacturing and engineering
* MEM16006 Organise and communicate information

*FWP31021 Certificate III in Saw Technology*

This qualification was updated in *FWP Forest and Wood Products* Training Package Version 5.0 to provide additional pathways into a higher-level technical job roles.

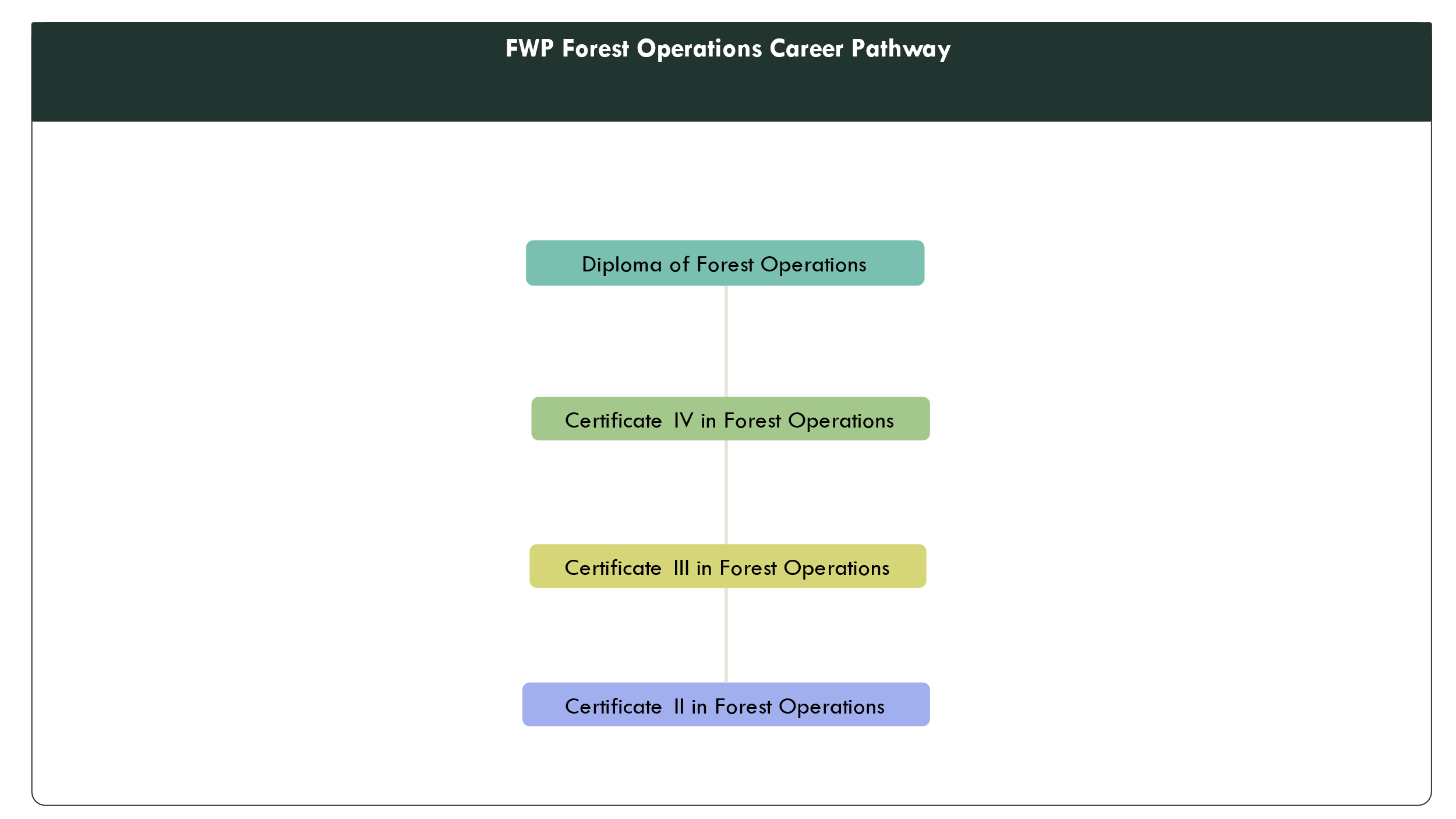
The elective groups and units of competency within this qualification can provide saw technicians with two pathway options. Saw technicians can use the qualification to develop skills in performing general saw servicing operations or develop skills in saw maintenance engineering roles.

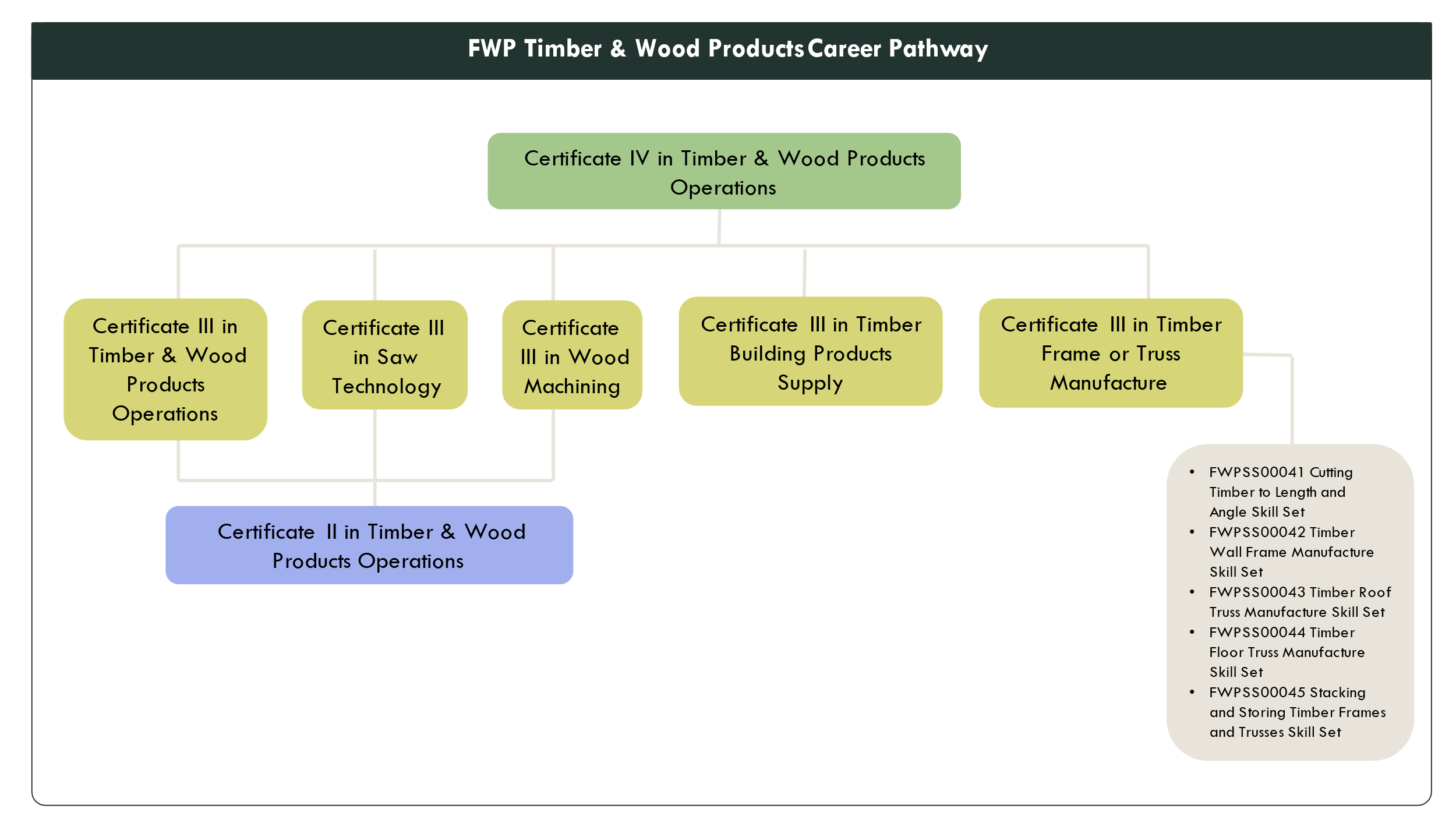
Saw Technicians who undertake *FWP31021 Certificate III in Saw Technology* and wish to pursue a higher-level technical job role in the timber industry can access skills in maintaining saws’ hydraulic and pneumatic systems via the skill sets *FWPSS00039 Skill set for hydraulic maintenance of saw technology* and *FWPSS00040 Skill set for pneumatic maintenance of saw technology*.

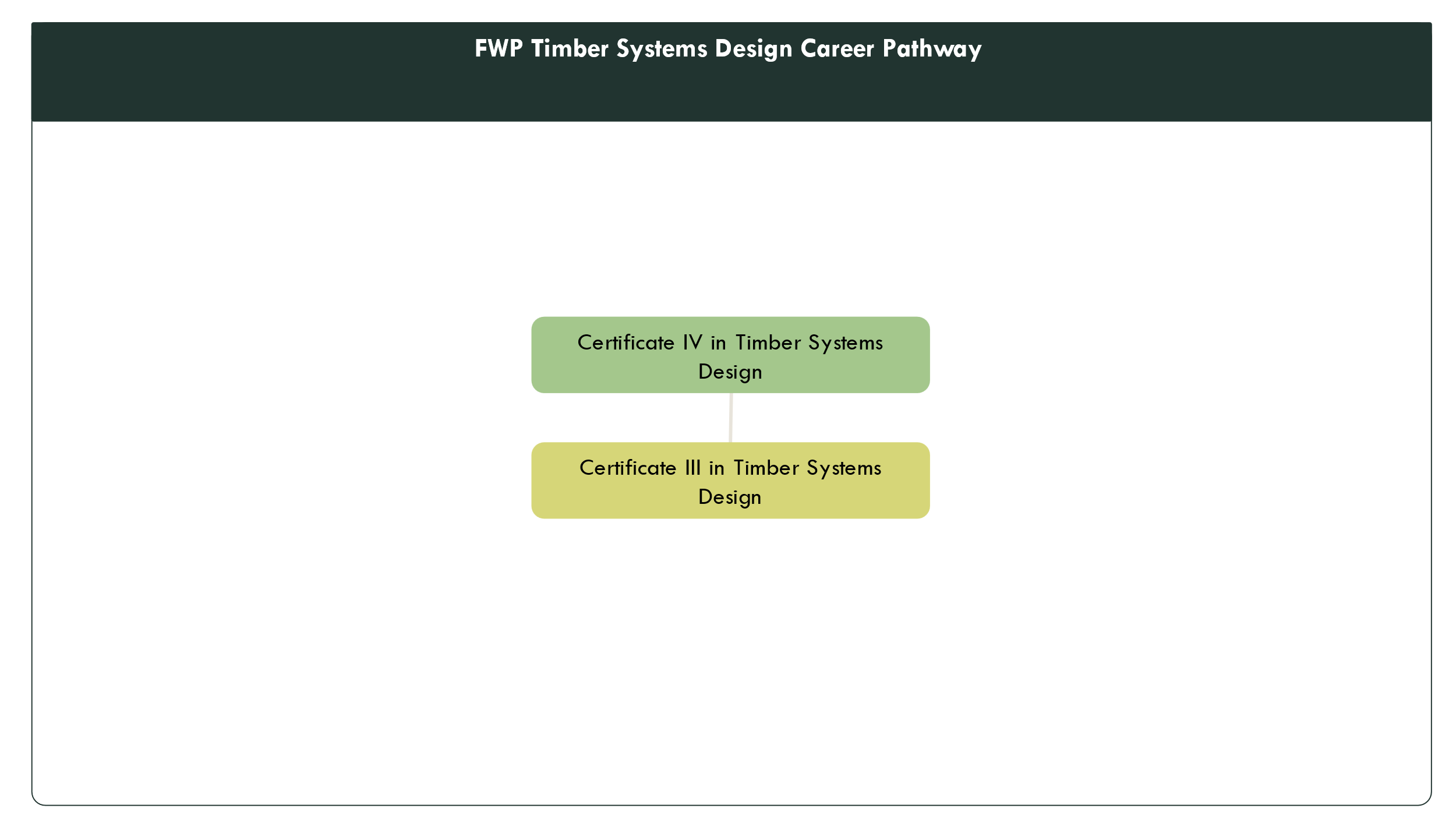
Skill sets for timber frame and truss fabricators

Five (5) skill sets were developed to support employers and fabricators who wish to develop technical skills related to a job function as opposed to a complete end-to-end manufacturing process. Each skill set is a subset of, and will provide credits toward, the FWP30920 Certificate III in Timber Frame or Truss Manufacture. These skill sets are:

* FWPSS00041 Cutting Timber to Length and Angle Skill Set
* FWPSS00042 Timber Wall Frame Manufacture Skill Set
* FWPSS00043 Timber Roof Truss Manufacture Skill Set
* FWPSS00044 Timber Floor Truss Manufacture Skill Set
* FWPSS00045 Stacking and Storing Timber Frames and Trusses Skill Set







Entry requirements for qualifications

Any specific entry requirement for qualifications in the FWP Forest and Wood Products Training Package are included in each qualification. These entry requirements ensure an individual has the skills and knowledge required to undertake the qualification. No qualifications in the FWP Forest and Wood Products Training Package contain specific entry requirements.

Selecting electives to enable different occupational outcomes

Qualifications include elective units that should be selected according to the needs of the learner. The choice of elective units may be negotiated between the learner and/or employer, and the RTO conducting the training program.

Some qualifications allow electives to be selected from within the training package, and from other training packages and accredited courses. Wherever they are selected from, elective units should provide a vocational focus for the qualification and be relevant to the:

* AQF qualification level
* job role
* work outcomes
* local industry needs
* area of specialisation (if required).

Training package delivery and assessment

RTOs must ensure that both training and assessment complies with the relevant standards. In general terms, training and assessment must be conducted by individuals who:

* have the necessary training and assessment competencies
* have the relevant vocational competencies at least to the level being delivered or assessed
* can demonstrate current industry skills directly relevant to the training/assessment being delivered
* continue to develop their VET knowledge and skills, industry currency and trainer/assessor competence.

Assessors of some units of competency may have to meet requirements in addition to those of the *Standards for Registered Training Organisations (RTOs) 2015*/AQTF requirements for assessors.

Check the *Assessment* *Conditions* section (provided in the assessment requirements that accompany each unit of competency) for specific assessor requirements.

Amount of training and volume of learning

RTOs must create a training and assessment strategy for delivery of AQF qualifications that reflects the complexity required of that qualification. An essential consideration in the training and assessment strategy is to ensure the amount of training provided is sufficient so that the learner can:

* meet the requirements of each qualification
* gain the skills and knowledge specified in the units of competency.

The amount of training involves all the formal learning activities provided to a learner, for example, classes, tutorials, fieldwork, lectures, online or self-paced study, as well as workplace learning. Training should take into account the need to allow learners to reflect on and absorb the knowledge, to practise the skills in different contexts and to learn to apply the skills and knowledge in the varied environments that the ‘real world’ offers before being assessed.

AQF qualifications differ in terms of their complexity. The complexity of a qualification is defined by:

* the breadth and depth of the knowledge
* skills required
* application of knowledge and skills, and
* the AQF volume of learning.

The AQF volume of learning describes how long a learner, without any competencies identified in the qualification, would normally take to develop all the required skills and knowledge at that qualification level. The volume of learning includes all teaching, learning and assessment activities that are undertaken by the typical student to achieve the learning outcomes of the particular qualification.[[3]](#footnote-4)

Access and equity considerations

An RTO’s training and assessment practices should minimise any barriers to training and assessment by considering the individual needs of learners. Some needs that could affect an individual’s participation in training and assessment include:

* age
* gender
* cultural or ethnic background
* disability
* sexuality
* language, literacy or numeracy skills
* employment status
* geographical location.

While the design and content of this training package supports equitable access and progression for all learners, it is the responsibility of the RTO delivering and assessing qualifications to:

* ensure that training and assessment processes and methods do not disadvantage individuals
* determine the needs of individuals and provide access to any educational and support services necessary.

Some practical ways that access and equity issues could be addressed include:

* modifying assessment processes for learners located at a distance from a campus location
* checking that materials are culturally appropriate for learners and amending, as necessary
* making sure that activities and assessments are suitable for the language, literacy and numeracy skill levels of learners (while meeting the requirements of the unit of competency).

Considerations specific to learners with disability

RTOs must take steps to provide the same training opportunities for learners with recognised disabilities as those without disabilities.

In some cases, ‘reasonable adjustments’ are made to the training environment, training delivery, learning resources and/or assessment tasks to meet the needs of a learner with a disability. An adjustment is ‘reasonable’ if it can accommodate the learner’s particular needs, while also taking into account factors such as:

* the views of the learner
* the potential effects of the adjustment on the learner and others
* the costs and benefits of making the adjustment to the RTO.

Adjustments must:

* be discussed and agreed to by the learner with a disability
* benefit the learner with a disability
* maintain the competency standards
* be reasonable to expect in a workplace.[[4]](#footnote-5)

Adjustments are not required if they could:

* cause the RTO unjustifiable hardship
* harm other learners.

Further information on providing quality training and assessment to learners with disabilities can be found at: <https://www.asqa.gov.au/sites/default/files/FACT_SHEET_Providing_quality_training_and_assessment_services_to_students_with_disabilities.pdf>

Foundation skills in units of competency

Foundation skills are the ‘non-technical skills’ that individuals need so they can participate effectively in workplaces, in education and training, and in their communities.

Under the *Standards for Training Packages 2022*, training package developers must include foundation skills in units of competency, however, the method and format for doing this has not been prescribed.

Frameworks used

The foundation skills are derived from The Australian Core Skills Framework(ACSF) which is used to identify learning, language, literacy and numeracy (LLN) skills.

The skills included in the framework are:

* Learning
* Reading
* Writing
* Oral Communication
* Numeracy

The five skills are identified separately with descriptions explaining how the skill underpins the performance criteria. The foundation skills table in each unit:

* identifies applicable underpinning skills
* describes the application of each skill in the context of the performance criteria.

Only those foundation skills that ARE NOT explicit in the performance criteria appear in the foundation skills mapping table.

The foundation skills are an integrated part of the unit for training and assessment purposes. Therefore, it is important that users look closely at both the foundation skills and the performance criteria, to make sure that all foundation skills are considered during delivery and assessment.

In the FWP Forest and Wood Products Training Package (and all training packages developed by Skills Insight) the foundation skills are shown in a table format as shown in the following example.

| Foundation Skills  *This section describes the language, literacy, numeracy and employment skills that are essential for performance in this unit of competency but are not explicit in the performance criteria.* | |
| --- | --- |
| Skills | Description |
| Learning | Understand main tasks, responsibilities and boundaries of own role |
| Reading | Read and understand production plans, site safety and environmental management plans in a forest harvesting environment |
| Writing | Read and understand standard operating procedures and/or manufacturer's instructions for the operation of forest harvesting machinery |
| Oral Communication | Record operation, production and machine maintenance on paper based or electronic media |
| Numeracy | Interact verbally and non-verbally using agreed systems and processes to communicate with others on site to ensure safe and effective single grip harvester operations |

Key legislative implications for implementation

Regulatory or licensing requirements are identified in the Application field of units of competency and the Qualification description field in qualifications. If there are no particular requirements, then the statement ‘No occupational licensing, legislative or certification requirements apply to this unit/qualification at the time of publication’ will appear.

Health and safety requirements

Safety is a major driver for industry training. The activities of greatest concern in relation to safety are mainly within the forest growing and management and harvesting and haulage sectors, due to the high use of mobile machinery and the nature of the working environment. Within all six industry sectors, the following areas are of high risk or compliance:

* manual tree felling
* loading and unloading log trucks
* load restraints
* stacking timber
* cable logging
* fatigue management
* manual handling
* forklift in motion/ transporting goods
* chemical hazards
* other chainsaw or pole saw activities
* slips, trips, falls.

State and territory government workplace health and safety legislation is outlined in the following table.

|  |  |
| --- | --- |
| Jurisdiction | Legislation |
| National | Work Health and Safety Act 2011 |
| Work Health and Safety Regulations 2011 |
| New South Wales | Work Health and Safety Act 2011 |
| Work Health and Safety Regulations 2017 |
| Queensland | Work Health and Safety Act 2011 |
| Work Health and Safety Regulations 2011 |
| South Australia | Work Health and Safety Act 2012 |
| Work Health and Safety Regulations 2012 |
| Tasmania | Work Health and Safety Act 2012 |
| Work Health and Safety Regulations 2012 |
| Victoria | Occupational Health and Safety Act 2004 and Regulations 2007 |
| Occupational Health and Safety Regulations 2007 |
| Western Australia | Occupational Safety and Health Act 1984 and Regulations 1996 |
| Occupational Health and Safety Regulations 1996 |

Health and safety requirements (continued)

Workplace health and safety requirements must in line with applicable Commonwealth, State or Territory legislation and regulations, and organisational safety policies and procedures, which may include:

* personal protective equipment and clothing
* safety equipment
* first aid equipment
* firefighting equipment
* hazard and risk control
* fatigue management
* elimination of hazardous materials and substances
* safe forest practices, including required actions relating to forest fire
* manual handling including shifting, lifting and carrying.

In general, health and safety requirements are addressed in specific work health and safety units of competency or embedded in particular units of competency in the *FWP Forest and Wood Products* Training Package.

RTOs must make sure that delivery of health and safety content is contextualised to comply with the relevant legislation in the state/territory in which they are training. Details of state and territory regulators, together with some useful workplace health and safety organisations, have been included in the following tables.

State/Territory Regulators

|  |  |  |
| --- | --- | --- |
| State/Territory | Regulating Body | Website |
| Australian Capital Territory | WorkSafe ACT | http://www.worksafe.act.gov.au |
| New South Wales | SafeWork NSW | http://www.safework.nsw.gov.au |
| Northern Territory | NT WorkSafe | http://www.worksafe.nt.gov.au |
| Queensland | Workplace Health and Safety Queensland (WHSQ) | http://www.worksafe.qld.gov.au |
| South Australia | SafeWork SA | http://www.safework.sa.gov.au |
| Tasmania | WorkSafe Tasmania | http://worksafe.tas.gov.au |
| Victoria | WorkSafe Victoria | http://www.worksafe.vic.gov.au |
| Western Australia | WorkSafe WA | http://www.commerce.wa.gov.au/WorkSafe |

National organisations

|  |  |  |
| --- | --- | --- |
| Name | Function | Website |
| Safe Work Australia | Leads the development of national policy to improve work health and safety and workers’ compensation arrangements across Australia. | http://www.safeworkaustralia.gov.au |
| National Heavy Vehicle Regulator | Administers one set of laws for heavy vehicles under the Heavy Vehicle National Law (HVNL), delivering a comprehensive range of services under a consistent regulatory framework. | https://www.nhvr.gov.au/ |
| Comcare | The Comcare scheme provides rehabilitation and workers' compensation and occupational health and safety arrangements for Australian Government employees and for the employees of organisations which self-insure under the scheme. | http://www.comcare.gov.au |
| National Industrial Chemicals Notification and Assessment Scheme (NICNAS) | NICNAS is the Australian Government regulator of industrial chemicals. NICNAS is responsible for:   * providing a national notification and assessment scheme to protect the health of the public, workers and the environment from the harmful effect of industrial chemicals, and assessing all chemicals new to Australia and * those chemicals already used (existing chemicals) on a priority basis, in response to concerns about their safety on health and environmental grounds. | http://[www.nicnas.gov.au](http://www.nicnas.gov.au/) |

Other legislative requirements

The Australian Forest and Wood Products industry operates under a range of acts, regulations and standards. Following is a summary of key requirements; however, users of this Implementation Guide are advised to check with the relevant regulatory authority as legislation is subject to change.

Environmental protection

Australia’s public native forests, including those held in nature conservation reserves and those available for wood production, are governed and managed under national and state and territory regulatory frameworks and management plans (many of which are prescribed in legislation) relating to the conservation and sustainable management of forests.

There are three major pieces of legislation at the national level that support the conservation and sustainable management of forests. National legislation includes:

* Environmental Protection and Biodiversity Conservation Act 1999
* Regional Forest Agreement Act 2002
* Illegal Logging Prohibition Act 2012.

Management of forests on private land is also regulated under various native vegetation Acts.

Forestry legislation

State and territory government forestry legislation is outlined in the following table.

The following table lists the particular requirements that may impact on qualifications and/or skill sets in the *FWP Forest and Wood Products* Training Package

Some units of competency (and their associated assessment requirements) contain references to ‘industry standards’. ‘Industry standards’ may relate to:

* existing legislative instruments
* current industry ‘good’ practice.

**Note**: Selection of elective units of competency that specify particular licensing, legislative or certification requirements may impact on qualifications. This includes all qualifications, not just those listed in the table.

|  |  |
| --- | --- |
| **Jurisdiction** | **Legislation** |
| NSW | Forestry Act 2012 |
| QLD | Forestry Act 1959 |
| SA | Forest Act 1950 |
| South Australian Forestry Corporation Act 2000 |
| TAS | Forest Management Act 2013 |
| Forestry (Rebuilding the Forest Industry) Act 2014 |
| VIC | Forest Act 1958 |
| Victorian Plantations Corporation (Amendment) Act 1998 |
| WA | Forests Act 1918 |

Heavy Vehicle National Law and Regulations

* Heavy Vehicle National Law (HVNL) Act 2012

HVNL Regulations

* Heavy Vehicle (Fatigue Management) National Regulation
* Heavy Vehicle (General) National Regulation
* Heavy Vehicle (Mass, Dimension and Loading) National Regulation
* Heavy Vehicle (Registration) National Regulation
* Heavy Vehicle (Vehicle Standards) National Regulation
* Heavy Vehicle National Law (HVNL)

Each state and territory covered by the HVNL has passed legislation that modifies some aspects of the HVNL for that state or territory..

|  |  |  |
| --- | --- | --- |
| Jurisdiction | Act | Regulation |
| ACT | Heavy Vehicle National Law (ACT) Act 2013 | Heavy Vehicle National Law (ACT) (Transitional Provisions) Regulation 2014 |
| NSW | Heavy Vehicle (Adoption of National Law) Act 2013 | Heavy Vehicle (Adoption of National Law) Regulation 2013 |
| QLD | Heavy Vehicle National Law Act 2012 (Qld) | Heavy Vehicle National Law Regulation 2014 |
| SA | Heavy Vehicle National Law (South Australia) Act 2013 | Heavy Vehicle National Law (South Australia) (Expiation Fees) Regulations 2013  Heavy Vehicle National Law (South Australia) (Fees) Regulation 2013 |
| TAS | Heavy Vehicle National Law (Tasmania) Act 2013 | Heavy Vehicle National Law (Tasmania) Regulation 2014 |
| VIC | Heavy Vehicle National Law Application Act 2013 | Heavy Vehicle National Law Application (Infringements) Regulations 2013 |

Environmental and heritage protection legislation

State and territory government environmental and heritage protection legislation includes:

| **Jurisdiction** | **Legislation** |
| --- | --- |
| National | Environment Protection and Biodiversity Conservation Act 1999 |
| The Aboriginal and Torres Strait Islander Heritage Protection Act 1984 (Commonwealth) |
| QLD | Environmental Protection Act 1994 |
| Nature Conservation Act 1992 |
| Aboriginal Cultural Heritage Act 2003 |
| Conservation and Land Management Act 1984 |
| NSW | Protection of the Environment Operations Act 1997 |
| Biodiversity Conservation Act 2016 |
| SA | Environment Protection Act 1993 |
| Natural Resources Management Act 2004 |
| Aboriginal Heritage Act 1988 |
| TAS | Environmental Management and Pollution Control Act 1994 |
| Aboriginal Heritage Act 1975 |
| VIC | Environmental Protection Act 1970 |
| Catchment and Land Protection Act 1994 |
| Flora and Fauna Guarantee Act 1988 |
| Wildlife Act 1975 |
| Aboriginal Heritage Act 2006 |
| WA | Environmental Protection Act 1986 |
| Biodiversity Conservation Act 2016 |
| Conservation and Land Management Act 1984 |
| Aboriginal Heritage Act 1972 |

Sustainable forest management

The major non-legislative policies and strategies that influence the sustainable forest management of Australia's forest are listed in the following table by jurisdiction.

| Jurisdiction | Policy | Department | Website |
| --- | --- | --- | --- |
| National | National Forestry Policy Statement 1992 | Department of Agriculture and Water Resources | http://www.agriculture.gov.au/forestry/policies/forest-policy-statement |
| Plantations for Australia: the 2020 Vision | Department of Agriculture and Water Resources |  |
| National Indigenous Forestry Strategy 2005 | Department of Agriculture and Water Resources | http://www.agriculture.gov.au/forestry/policies/2020vision |
| Australia's Biodiversity Conservation Strategy 2010-2030 | Department of Environment and Energy | http://www.agriculture.gov.au/forestry/policies/nifs |
| Australia's strategy for the National Reserve System 2009-2030 | Department of Environment and Energy | http://www.environment.gov.au/biodiversity/publications/australias-biodiversity-conservation-strategy |
| Farm Forestry National Action Statement 2005 | Department of Agriculture and Water Resources | http://www.environment.gov.au/land/nrs/publications/strategy-national-reserve-system |
| The Australian Forestry Standard for Forest Management (AS 4708:2013) | Australian Standards | http://www.agriculture.gov.au/forestry/australias-forests/plantation-farm-forestry/publications/farm\_forestry\_national\_action\_statement |
| FSC Australia – Forest Stewardship Standard (AFSS) (Draft) | FSC Australia | http://www.forestrystandard.org.au/standards/australian-standards/forest-management |
| ACT | ACT Nature Conservation Strategy 2013-23 | Environment and Sustainable Development | https://www.environment.act.gov.au/\_\_data/assets/pdf\_file/0004/576184/ACT-Nature-Conservation-Strategy\_web.pdf |
| ACT Lowland Woodland Conservation Strategy (Action Plan No.27) | Environment, Planning and Sustainable Development Directorate -Environment | https://www.environment.act.gov.au/cpr/conservation\_and\_ecological\_communities/lowland\_woodlands/woodlands\_strategy |
| NSW | Forest NSW Forest Management Policy | Forestry Corporation of NSW | http://www.forestrycorporation.com.au/\_\_data/assets/pdf\_file/0003/674724/forest-management-policy.pdf |
| Farm Forestry Strategy for NSW 2003 | Department of Primary Industries | http://www.dpi.nsw.gov.au/\_\_data/assets/pdf\_file/0015/38031/farm-forestry-strategy-nsw.pdf |
| NT | Industry Development Plan 2013-2017 | Department of Primary Industries and Fisheries | https://dpir.nt.gov.au/primary-industry/agricultural-developments/industry-development-plan-2013-2017 |
| Territory 2030 Strategic Plan 2009 | Department of the Chief Minister | http://inform.regionalaustralia.org.au/process/regional-development-processes/item/territory-2030-strategic-plan-2009 |
| QLD | Forest Management Policy Statement | Department of Agriculture and Fisheries | https://www.daf.qld.gov.au/forestry/state-native-forestry/forest-management-policy-statement |
| Queensland Timber Plantation Strategy 2020 | Department of Employment, Economic Development and Innovation | https://www.cabinet.qld.gov.au/documents/2009/Nov/Qld%20Timber%20Plantations%20Strategy/Attachments/Qld-timber-plantation-strategy-2020[1].pdf |
| Building Nature's Resilience: A Biodiversity Strategy for Queensland | (Department of Environment and Resource Management | https://www.cabinet.qld.gov.au/documents/2010/dec/draft%20biodiversity%20strategy/Attachments/biostrategy[1].pdf |
| The Queensland Forest and Timber Industry Plan | Department of Agriculture and Fisheries | https://www.daf.qld.gov.au/forestry/queensland-forest-and-timber-industry-plan |
| SA | Forest Industry Strategy: Vision 2050 Strategic Directions 2011-2016 | Primary Industries and Regions SA (Forest Industry Development Board) | http://www.pir.sa.gov.au/\_\_data/assets/pdf\_file/0020/234029/SA\_Forest\_Industry\_Strategy.pdf |
| ForestrySA Policy for Sustainable Forest Management | ForestrySA | https://www.forestrysa.com.au/app/uploads/2017/07/18.\_Sustainable\_Forest\_Management\_-\_NEW1.pdf |
| No Species Loss: A Nature Conservation Strategy for South Australia 2007-2017 | Department of Environment, Water and Natural Resources | https://www.environment.sa.gov.au/managing-natural-resources/Ecosystem\_conservation/No\_species\_loss |
| TAS | Permanent Native Forest Estate Policy | Department of State Growth | http://www.stategrowth.tas.gov.au/forestry/native-forest |
| Forestry Tasmania's Sustainable Forest Management Policy | Sustainable Timber Tasmania | https://www.sttas.com.au/sites/default/files/media/documents/policies/sfmpolicyoctober2016.pdf |
| VIC | Sustainability Charter for Victoria's State Forests | Environment, Land Water and Planning | https://www.forestsandreserves.vic.gov.au/forest-management/forest-sustainability |
| Ecologically Sustainable Forest Management Policy | VicForests | http://www.vicforests.com.au/vicforests-forest-management-system/policies-procedures-and-instructions |
| WA | Forest Products Commission Forest Management Policy | Forest Products Commission Western Australia | http://www.fpc.wa.gov.au/forest-management/policy-and-practice |

Additional considerations

In addition, the industry operates under the guidance and implementation of codes of practice, guidance materials and standards for sustainable forest management of wood production forests. As exemplified below, the codes and other types of guidance documents cover a range of industry matters and vary in their legal status and jurisdiction coverage:

* forest planning
* forest access and roading
* operating heavy vehicles
* managing workplace health and safety risks in forest harvesting
* sawmilling and timber operations
* timber preservation
* conservation of non-wood values
* pest, weed and fire management
* harvesting of non-wood forest products.

National work and safety guidelines for managing risks in forestry operations, from Safe Work Australia include:

* Guide to growing and managing Forests (2013)
* Guide to managing risks of loading, transporting and unloading logs (2014)
* Guide to managing risks of in-field processing forest products (2014)
* Guide to managing risks of timber harvesting operations (2014)
* Guide to managing risk of plant and equipment for forestry operations (2014)
* Guide to managing risks of general hazards in forestry operations (2017)
* Guide to managing risks of log landing (2014)
* Guide to managing risks of log extraction (2014)
* Guide to managing risks of coupe and harvesting site access and preparation (2014)
* Guide to managing risks of tree trimming and removal work (2016)
* Forestry operations guidance material (2014)
* General guide for managing risks in forestry operations (2014).

International and national forest management standards include:

* Programme for Endorsement of Forest Certification (PEFC)
* Australian Forestry Standard (AS 4708)
* Chain of Custody Standard (AS 4707)
* Chain of Custody Certification Standard FSC-STD-40-004 (V3-0)
* FSC Controlled Wood Standard for Forest Management Enterprises (FSC-STD-30-010 V2-1)
* FSC Australia – Forest Stewardship Standard (AFSS) (Draft).

Where units of competency contain regulatory information or align to licensing, RTOs, trainers and assessors must be suitably qualified to deliver the training. This usually means that trainers and assessors must have the relevant vocational competencies, at least to the level being delivered or assessed, and can demonstrate current industry skills directly relevant to the training/assessment being undertaken.

Licensing/registration requirements for particular job functions described in Units of Competency vary significantly. There are variations between States and Territories and between individual workplaces as to competencies required to undertake specific job roles.

Organisations delivering training must determine the applicable requirements associated with the equipment being used, and in the relevant States and Territories. To assist this process, units of competency will contain one of the following statements:

In the case of no licensing requirements:

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

In cases where a licence, certification or other regulatory/legislative compliance is required:

*Licensing, legislative or certification requirements apply to this unit in some states and territories at the time of publication and may differ according to jurisdiction.*

Note that activities within some units of competency require the incidental use of load shifting equipment, such as forklifts or overhead cranes. In such cases, the relevant units of competency should also be accessed and are to be met concurrently or prior to the achievement of the unit.

Note: Users of this Implementation Guide are advised to keep up-to-date with changes to legislative requirements by checking with the relevant regulatory authority.

Safe & Skilled

On 13 September 2018, industry associations Australian Forest Products Association (AFPA) and the Australian Forest Contractors Association (AFCA) signed up to a charter of essential training standards for the workforce and life saving commitments to guide behaviour.

It means that forestry businesses across the Australia Forest Industry have joined together in a united approach to lift safety standards across the board.

The essential training standards outline agreed units of competency that workers will be required to have to do certain tasks in the industry like driving heavy plant or log trucks; using hand held motorised equipment; and ground-based workers working near heavy plant and tree falling operations.

For existing workers, this means that pre-existing training against a national competency may need to be verified by a statement of attainment, or through previously recognised State based industry standards.

New workers will need to be supervised when undertaking these tasks and undergoing training and must hold the statements of attainment within 6 months of commencing work.

**Safe & Skilled approved units of competency**

All workers must hold a statement of attainment for the following units of competency (or their predecessors) relevant to their job role:

* FWPCOR2210 Follow workplace health and safety policies and procedures in forest and wood products operations AND FWPCOR2209 Follow environmental protection procedures in forest and wood products operations;

OR

* FWPCOR3205 Apply safety, health and environmental requirements in forest and wood products operations;

OR

* FWPCOR4204 Monitor safety, health and environmental requirements in forest and wood products operations.

In addition to these general requirements, they must also hold a statement of attainment for a unit of competency (or its predecessor) related to the hazardous activity they are conducting as below:

| Machine Type | Unit of Competency Approved for Hazardous Activities | |
| --- | --- | --- |
| Single Grip Harvester | FWPHAR3229 | Operate single grip harvester |
| Processor | FWPHAR3234 | Conduct mechanical processor operations |
| Feller Buncher | FWPHAR3226 | Operate feller buncher |
| Forwarder | FWPHAR3227 | Operate forwarder |
| Log Truck | FWPCOT3315 | Transport forestry logs using trucks |
| Static mobile chipper based on workplace equipment | FWPHAR3203  or | Operate integrated or split flail and wood chipper with crane |
| FWPHAR3204 | Operate split flail and wood chipper fed by mobile machine |
| Skidder | FWPHAR3230 | Operate skidder |
| Dozer | FWPHAR3224 | Operate crawler tractor |
| Tractor | RIIMPO315E | Conduct tractor operations |
| Excavator – for loading/shoveling logs | FWPHAR3225 | Operate excavator with log grapple |
| Wheeled loader | FWPHAR3228 | Operate loader |
| Chainsaw units based on operational activity.  This may include commercial harvesting operations, plantation silviculture, road and firebreak maintenance operations | FWPHAR2209 | Trim and cut harvested trees |
| FWPCOT2274 | Fell trees manually (basic) |
| FWPHAR3205 | Harvest trees manually (intermediate) |
| FWPHAR3209 | Harvest trees manually (advanced)  This unit is considered mandatory for commercial harvesting operations |
| Cable Logging (Choker setter) | FWPHAR2201 | Hook up felled trees (choker) |
| Cable Logging (Chaser) | FWPHAR2202 | Perform landing duties (chaser) |
| Cable Logging (Yarder) | FWPHAR3212 | Operate yarder |
| Truck mounted loaders | TLILIC0002 | Licence to operate a vehicle loading crane (capacity 10 metre tonnes and above) |

FOLS Skills Verification Program

Forest workers and contractors are free to manage operator competency records by any means at their disposal. However, ForestWorks provides the FOLS Skills Verification System as a service to small businesses to streamline their administrative tasks. FOLS accommodates the collection and storage of electronic records of training and assessment; the collection of evidence of skills currency every three years; and the ability to share this information via an online platform. Some forest managers have specified that their contractors maintain records in the FOLS system. Contractors should contact their relevant forest manager to establish the competency requirements of their workers as well as the preferred manner of reporting of these competencies.

Training and assessing environments

The Assessment Conditions section of the Assessment Requirements states whether assessment must take place in a real workplace or whether an environment that ‘accurately represents workplace conditions’ can be used.

An environment that accurately represents workplace conditions is one which offers real life working conditions with the actual characteristics of that working environment, including equipment, interactions with other people and completion of tasks within timeframes, if these are requirements of the working environment.

Sometimes conducting training and assessment in a real workplace is not possible or practical. If conducting training and assessment in a non-workplace environment, trainers and assessors must make sure that learners have opportunities to complete tasks:

* to the quality standards, and within the acceptable timeframes, required by the industry
* in a manner that meets the industry’s safety standards.

Legal considerations for learners in the workplace/on placements

Legal requirements that apply to specific sectors covered by this Training Package vary across each state and territory and can change from time to time. Contact the relevant state or territory department/s to check. STA contact details are provided in the Links section of this Implementation Guide. The Fair Work Ombudsman has some general guidelines and fact sheets about unpaid work.

Work placements should always involve the appropriate supervision and guidance from individuals in the workplace and trainers and assessors from the RTO and must adhere to required legislation that applies in the jurisdiction e.g. learners must be supplied with the appropriate personal protection equipment (PPE) and training on how to use the PPE effectively prior to undertaking tasks that include health and safety risks.

Resources and equipment lists

RTOs must make sure that all resources and equipment required to train and assess units of competency are available. Details of specific resources, including equipment and materials essential for assessment, are listed in the Assessment Conditions sections of Assessment Requirements documents. Where units of competency require assessment in the workplace, the workplace must include the full range of equipment required to do the task, as listed in the Assessment Conditions.

Equipment should be made available to the student by the RTO delivering the training. All equipment must meet Australian standards for safety and be well maintained

Links

Industry links

|  |  |
| --- | --- |
| State/Territory | Organisation |
|  | Industry Associations |
| National | Australian Forest Products Association (AFPA) |
| National | Timber Communities Australia (TCA) |
| NSW | Timber NSW |
| QLD | Timber Queensland Ltd |
| TAS | Forest Industries Association of Tasmania (FIAT) |
| VIC | Victorian Association of Forest Industries (VAFI) |
| WA | Forest Industries Federation WA (FIFWA) |
|  | Industry sector associations |
| National | Australian Forest Growers (AFG) |
| National | Australian Forest Contractors Association (AFCA) |
| TAS | Tasmanian Forest Contractors Association (TFCA) |
| National | Timber Preservers Association of Australia (TPAA) |
| TAS | Tasmanian Sawmillers Association (TSA) |
| National | Frame & Truss Manufacturers Association of Australia (FTMA) |
| National | Glued Laminated Timber Association of Australia (GLTAA) |
| National & Pacific | Engineered Wood Products Association of Australasia (EWPAA) |
| National | Timber Veneer Association of Australia |
| National | Timber & Building Materials Association (TABMA) |
| VIC | Timber Merchants Association (TMA) |
|  | Training Providers Associations |
| National | Australian Timber Trainers Association (ATTA) |
|  | Professional Associations |
| National | Institute of Foresters Australia (IFA) |
| National | Arboriculture Australia |
|  | Industry Standards Bodies |
| National | Australian Forestry Standard Limited trading as Responsible Wood |
| National | Forest Stewardship Council (FSC) Australia |
|  | Employee representative organisations |
| National | [Construction, Forestry, Maritime, Mining and Energy Union](http://www.roc.gov.au/find-a-registered-organisation/cfmmeu) (CFMMEU) Manufacturing Division |
| National | Australian Workers' Union (AWU) |
| National | Australian Council of Trade Unions (ACTU) |
|  | Industry Services Bodies |
| National | ForestWorks Ltd |
| National | Timber Trade Industrial Association (TTIA) |
| NSW | Timber Development Association NSW |
|  | Industry R&D Services Body |
| National | Forest and Wood Products Australia Ltd (FWPA) |
|  | Council Associations |
| National | National Timber Councils Association (NTCA) |

State and Territory Training Authorities

|  |  |
| --- | --- |
| State / Territory | Website |
| Australian Capital Territory | https://www.education.act.gov.au/ |
| New South Wales | <https://www.education.nsw.gov.au>/ |
| Northern Territory | http://www.education.nt.gov.au/ |
| Queensland | <https://desbt.qld.gov.au> |
| South Australia | http://www.education.sa.gov.au/ |
| Tasmania | http://www.skills.tas.gov.au/ |
| Victoria | http://www.education.vic.gov.au/ |
| Western Australia | <http://www.dtwd.wa.gov.au> |

General

|  |  |  |
| --- | --- | --- |
| Organisation/Resource | Details | Website |
| Australian Qualifications Framework: Second edition, January  2013 | National policy for regulated qualifications in Australian education and training | http://www.aqf.edu.au/ |
| Training.gov | National register of training packages | http://www.training.gov.au/ |
| Australian Apprenticeships | Quick and easy access to information about Australian apprenticeships | www.australianapprenticeships.gov.au |
| Australian Skills Quality Authority (ASQA) | National regulator for Australia’s vocational education and training sector | http://www.asqa.gov.au |
| Training Accreditation Council Western Australia (WA TAC) | Regulates vocational education and training in WA | http://www.tac.wa.gov.au |
| Victorian Registration and Qualifications Authority (VRQA) | Regulates vocational education and training in in Victoria  Regulates apprenticeships and traineeships in Victoria | http://www.vrqa.vic.gov.au/ |
| Safe Work Australia | Leads the development of national policy to improve work health and safety and workers’ compensation arrangements | <http://www.safeworkaustralia.gov.au/sites/SWA> |

Appendix 1: Training Package Components

Qualifications

|  |  |
| --- | --- |
| *FWP Forest and Wood Products Training Package Version 9.0*  *Qualifications* | |
| Code | Title |
| FWP20122 | Certificate II in Forest Operations |
| FWP20322 | Certificate II in Timber and Wood Products Operations |
| FWP30122 | Certificate III in Forest Operations |
| FWP30322 | Certificate III in Timber and Wood Products Operations |
| FWP30622 | Certificate III in Timber Building Products Supply |
| FWP30920 | Certificate III in Timber Frame or Truss Manufacture |
| FWP31021 | Certificate III in Saw Technology |
| FWP31121 | Certificate III in Wood Machining |
| FWP31220 | Certificate III in Timber Systems Design |
| FWP40121 | Certificate IV in Forest Operations |
| FWP40222 | Certificate IV in Timber and Wood Products Operations |
| FWP40420 | Certificate IV in Timber Systems Design |
| FWP50121 | Diploma of Forest Operations |

Skill sets

| *FWP Forest and Wood Products Training Package Version 9.0*  *Skill Sets* | |
| --- | --- |
| Code | Title |
| FWPSS00039 | Skill set for hydraulic maintenance of saw technology |
| FWPSS00040 | Skill set for pneumatic maintenance of saw technology |
| FWPSS00041 | Cutting Timber to Length and Angle Skill Set |
| FWPSS00042 | Timber Wall Frame Manufacture Skill Set |
| FWPSS00043 | Timber Roof Truss Manufacture Skill Set |
| FWPSS00044 | Timber Floor Truss Manufacture Skill Set |
| FWPSS00045 | Stacking and Storing Timber Frames and Trusses Skill Set |
| FWPSS00046 | Infield Wood Chipping Machine Operator Skill Set (Flail and Wood Chipper with Crane) |
| FWPSS00047 | Infield Wood Chipping Machine Operator Skill Set (Flail and Wood Chipper Fed by a Mobile Machine) |
| FWPSS00048 | Mechanical Processor Operator Skill Set |
| FWPSS00049 | Native Forest Operator Skill Set |
| FWPSS00050 | Plantation Forest Operator Skill Set |
| FWPSS00051 | Fire Salvage Operator Skill Set |
| FWPSS00052 | Off Road Four Wheel Drive Operator Skill Set |
| FWPSS00053 | Soil and Water Protection (Roading) Skill Set |
| FWPSS00054 | Log Truck Driver Skill Set |
| FWPSS00055 | Forestry Produce Truck Driver Skill Set |
| FWPSS00056 | Crawler Tractor Operator Skill Set |
| FWPSS00057 | Feller Buncher Operator Skill Set |
| FWPSS00058 | Forwarder Operator Skill Set |
| FWPSS00059 | Loader Operator Skill Set |
| FWPSS00060 | Single Grip Harvester Operator Skill Set |
| FWPSS00061 | Skidder Operator Skill Set |
| FWPSS00062 | Excavator With Log Grapple Operator Skill Set |
| FWPSS00063 | Entry into Forestry Roles Skill Set |
| FWPSS00064 | Plantation Establishment Worker Skill Set |
| FWPSS00065 | Silviculture Worker Skill Set |
| FWPSS00066 | Excavator Operator Skill Set |
| FWPSS00067 | Skid Steer Loader Operator (Forestry) Skill Set |
| FWPSS00068 | Entry into a Saw Technician Role Skill Set |
| FWPSS00069 | Entry into a Wood Machinist Role Skill Set |
| FWPSS00070 | Process Control and Optimisation (Timber Sawmills) Skill Set |
| FWPSS00071 | Foundational Leadership and Management (Log Yard Operations) Skill Set |
| FWPSS00072 | Foundational Leadership and Management (Log Processing Operations) Skill Set |
| FWPSS00073 | Foundational Leadership and Management (Timber Dry Mill Operations) Skill Set |
| FWPSS00074 | Foundational Leadership and Management (Timber Kiln Drying Operations) Skill Set |
| FWPSS00075 | Foundational Leadership and Management (Timber Treatment Operations) Skill Set |
| FWPSS00076 | Foundational Leadership and Management (Engineered Wood Products Operations) Skill Set |

Units of competency

| *FWP Forest and Wood Products Training Package Version 9.0*  *Units of Competency* | |
| --- | --- |
| Code | Title |
| FWPCOR2206 | Work effectively in the forest and wood products industry |
| FWPCOR2208 | Communicate and interact effectively in the forest and wood products industry |
| FWPCOR2209 | Follow environmental protection procedures in forest and wood products operations |
| FWPCOR2210 | Follow workplace health and safety policies and procedures in forest and wood products operations |
| FWPCOR2211 | Develop knowledge of the forest and wood products industry |
| FWPCOR3205 | Apply safety, health and environmental requirements in forest and wood products operations |
| FWPCOR4204 | Monitor safety, health and environmental requirements in forest and wood products operations |
| FWPCOR4205 | Monitor and improve forestry operations |
| FWPCOT2206 | Stack and bind material |
| FWPCOT2242 | Segregate and sort logs |
| FWPCOT2243 | Tail out timber product and waste material |
| FWPCOT2244 | Operate and maintain a thicknesser |
| FWPCOT2246 | Appearance grade hardwood sawn and milled products |
| FWPCOT2249 | Visually stress grade hardwood |
| FWPCOT2250 | Visually stress grade softwood |
| FWPCOT2251 | Visually stress grade cypress |
| FWPCOT2254 | Maintain chainsaws |
| FWPCOT2255 | Store materials |
| FWPCOT2257 | Use hand-held tools |
| FWPCOT2258 | Assemble products |
| FWPCOT2259 | Cut materials with a hand-held chainsaw |
| FWPCOT2260 | Tally material |
| FWPCOT2261 | Process orders and prepare for despatch |
| FWPCOT2262 | Cut material to shape using a saw |
| FWPCOT2263 | Cross cut materials with a fixed saw |
| FWPCOT2264 | Follow quality and product care procedures in forest and wood products operations |
| FWPCOT2265 | Navigate in forest areas |
| FWPCOT2266 | Operate brush cutter |
| FWPCOT2267 | Operate mobile hydraulic log splitter |
| FWPCOT2268 | Cut timber or engineered wood product to length or dimensions |
| FWPCOT2269 | Operate and maintain a table saw |
| FWPCOT2270 | Cut wood material with pole saw for unblocking machinery components |
| FWPCOT2271 | Pack timber or wood products for despatch |
| FWPCOT2272 | Rack timber or round poles |
| FWPCOT2273 | Trim and cut felled trees |
| FWPCOT2275 | Fell trees manually (basic) |
| FWPCOT3202 | Navigate in remote or trackless areas |
| FWPCOT3219 | Produce standard truss or frame plans and details using computers |
| FWPCOT3226 | Assess timber for manufacturing potential |
| FWPCOT3270 | Grade and mark logs |
| FWPCOT3271 | Hand sharpen knives and blades for commercial and domestic cutting services |
| 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 |
| FWPCOT3274 | Cut timber products using high-speed optimiser |
| FWPCOT3275 | Set up, operate and maintain end matching machines |
| FWPCOT3276 | Sharpen cutters using a straight knife grinder |
| FWPCOT3277 | Sharpen cutters in head using a profile knife grinder |
| FWPCOT3278 | Sharpen cutters in head using a straight knife grinder |
| FWPCOT3279 | Assess and maintain saw technology tools |
| FWPCOT3280 | Replace saw blades, knives and guides |
| FWPCOT3281 | Manufacture profile cutters |
| FWPCOT3282 | Assess and maintain saw blade and sawing machine performance |
| FWPCOT3283 | Sharpen and position blades or knives in chipper, canter and reducer |
| FWPCOT3286 | Identify levelling and tensioning requirements for saw blades |
| FWPCOT3287 | Operate CNC equipment for grinding, tensioning and levelling saw blades |
| FWPCOT3289 | Load and prove operating program for CNC machine |
| 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 |
| FWPCOT3294 | Swage and shape saw blades |
| FWPCOT3295 | Assess and maintain cutter performance |
| FWPCOT3297 | Operate automated stacking equipment |
| FWPCOT3298 | Produce templates |
| FWPCOT3299 | Cut timber or engineered wood product to profile |
| FWPCOT3301 | Trim trees using a pole saw |
| FWPCOT3302 | Access and provide timber and wood product information |
| FWPCOT3303 | Prepare sketches and drawings |
| FWPCOT3304 | Take off material quantities |
| FWPCOT3305 | Interpret and quote from manufactured timber product plans |
| FWPCOT3306 | Rehabilitate tracks, quarries and landings |
| FWPCOT3307 | Create drawings using computer aided design software |
| FWPCOT3308 | Assemble timber wall frames |
| FWPCOT3309 | Assemble timber roof trusses |
| FWPCOT3310 | Prepare timber or related products to meet import/export compliance requirements |
| FWPCOT3311 | Use environmental care procedures to undertake fire salvage operations |
| FWPCOT3312 | Implement environmentally sustainable work practices in the work area/work site |
| FWPCOT3313 | Apply biodiversity protection principles |
| FWPCOT3314 | Comply with soil and water protection |
| FWPCOT3315 | Transport forestry logs using trucks |
| FWPCOT3316 | Transport forestry produce using trucks |
| FWPCOT3317 | Use chainsaw within a tree |
| FWPCOT3318 | Access, capture and communicate forestry field data using mobile devices |
| FWPCOT3319 | Read and interpret digital maps and forest operation plans |
| FWPCOT3320 | Build and maintain timber stacks |
| FWPCOT3321 | Apply situational awareness and a safety mindset in operational forestry roles |
| FWPCOT3322 | Apply quality and product care procedures in forest and wood products operations |
| FWPCOT3323 | Assess wood materials visually |
| FWPCOT3324 | Apply cultural heritage protection requirements in forest operations |
| 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 |
| FWPCOT3329 | Perform complex four wheel drive operations |
| FWPCOT3330 | Apply tree jacking techniques in felling trees |
| FWPCOT3331 | Cut material using CNC sizing machines |
| FWPCOT3332 | Machine timber or engineered wood products using CNC machining and processing centres |
| FWPCOT3333 | Conduct heat plant operations |
| FWPCOT3334 | Conduct steam boiler operations |
| FWPCOT3335 | Conduct operator level equipment maintenance in forest and wood products industry |
| FWPCOT3336 | Coordinate set up and operation of timber finger jointing line |
| FWPCOT3337 | Operate timber finger jointing line |
| FWPCOT3338 | Identify glues and gluing systems used in production of wood products |
| FWPCOT3339 | Grade wood product visually |
| FWPCOT3340 | Develop knowledge of log yard operations |
| FWPCOT3341 | Coordinate and monitor wood chip stockpile |
| FWPCOT3342 | Screen wood chips |
| FWPCOT3343 | Test wood chips quality |
| FWPCOT3344 | Transfer wood chips |
| FWPCOT3345 | Develop knowledge of chain of custody certification requirements for forest and wood products |
| FWPCOT3346 | Communicate effectively with general public or stakeholders concerned about forest practices |
| FWPCOT3350 | Fell trees manually (intermediate) |
| FWPCOT3351 | Fell trees manually (advanced) |
| FWPCOT3349 | Assess timber against quality requirements and specifications |
| FWPCOT4201 | Produce complex truss and frame plans and details using computers |
| FWPCOT4209 | Design timber structures |
| FWPCOT4210 | Provide specialised timber product solutions |
| FWPCOT4211 | Monitor stock control procedures |
| FWPCOT4212 | Implement environmental management practices to a forestry operation site |
| FWPCOT4213 | Monitor and manage product and service quality in the forest and wood products industry |
| FWPCOT4214 | Plan for and coordinate quarry operations |
| FWPCOT4215 | Plan for and coordinate road construction and maintenance |
| FWPCOT4216 | Plan for and coordinate construction of log landings and snig tracks |
| FWPCOT4217 | Apply a safety mindset in forestry operations |
| FWPCOT4218 | Manage business operations of a forestry contractor business |
| FWPCOT4219 | Manage people practices in a forestry contractor business |
| FWPCOT4220 | Plan for and coordinate log loading and haulage operations |
| FWPCOT4221 | Plan for and supervise log yard operations |
| FWPCOT4222 | Plan for and supervise timber treatment plant operations |
| 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 |
| FWPCOT4225 | Apply principles of pneumatics and hydraulics to analyse potential equipment failures |
| FWPCOT5210 | Contribute to establishment and implementation of forest management systems |
| FWPCOT5211 | Implement forest management certification scheme |
| FWPCOT5212 | Implement workplace sustainability practices in the forest and wood products industry |
| FWPCOT5213 | Contribute to and implement a community engagement plan |
| FWPCOT5214 | Communicate forestry and forest science with stakeholders and the community |
| FWPCOT5215 | Apply innovative thinking to support forestry best practice |
| FWPCOT6210 | Develop engineered wood products to meet energy efficient building design needs |
| FWPFGM3208 | Construct and maintain forest roads and tracks |
| FWPFIR2001 | Follow fire prevention procedures |
| FWPFIR2002 | Detect fire in a native forest or plantation |
| FWPFIR3001 | Assess fire risk |
| FWPFIR3002 | Apply communication protocols during post-bushfire vegetation clearing and clean-up operations |
| FWPFIR4001 | Conduct tree hazard assessment post-fire |
| FWPFOM5001 | Contribute to and implement a forest establishment plan |
| FWPFOM5002 | Contribute to and implement a forest roading operational plan |
| FWPFOM5003 | Contribute to and implement a forest harvesting plan |
| FWPFOM5004 | Contribute to and implement a forest regeneration plan |
| FWPFOM5005 | Contribute to and implement a biohazard contingency plan |
| FWPFOM5006 | Implement practices to maximise value from wood residues |
| FWPFOM5007 | Contribute to and implement a silviculture regime for a plantation |
| FWPFOM5008 | Contribute to and implement a silviculture regime for native forest |
| FWPFOM5009 | Contribute to management and monitoring of forestry supply chains |
| FWPFOM5010 | Apply principles of forest science to optimise forest management practices |
| FWPFOM5011 | Assist with calculating costs and production targets for forestry operations |
| FWPFRM5001 | Interpret and use image data in forestry planning and management |
| FWPFRM5002 | Source information on the contribution of forestry to carbon reduction strategies |
| FWPFRM5003 | Contribute to and implement a forest inventory program |
| FWPFRM5004 | Contribute to the planning and conduct of forest valuation |
| FWPFRM5005 | Contribute to selection and application of forest growth models |
| FWPFRM5006 | Analyse ecology of commercial native forests and plantations |
| FWPFRM5007 | Process and interpret harvester and forwarder optimisation data |
| FWPFRM5008 | Create digital forest operational map |
| FWPFRM5009 | Create cutting instruction files for forestry harvesters |
| FWPFRM5010 | Plan unmanned aerial vehicle (UAV) collection of forestry data |
| FWPFRM5011 | Quality assure forestry data acquisition by unmanned aerial vehicle (UAV) |
| FWPHAR2201 | Hook up felled trees (choker) |
| FWPHAR2202 | Perform landing duties (chaser) |
| FWPHAR2208 | Operate a mobile chipper/mulcher |
| FWPHAR2209 | Trim and cut harvested trees |
| FWPHAR2210 | Operate a forest machine simulator in a virtual environment |
| FWPHAR3202 | Monitor log recovery (rigging slinger) |
| FWPHAR3203 | Operate integrated or split flail and wood chipper with crane |
| FWPHAR3204 | Operate split flail and wood chipper fed by mobile machine |
| FWPHAR3205 | Harvest trees manually (intermediate) |
| FWPHAR3209 | Harvest trees manually (advanced) |
| FWPHAR3212 | Operate yarder |
| FWPHAR3222 | Use on-board computer systems for forwarder |
| FWPHAR3223 | Use on-board computer systems for single grip harvester |
| FWPHAR3224 | Operate crawler tractor |
| FWPHAR3225 | Operate excavator with log grapple |
| FWPHAR3226 | Operate feller buncher |
| FWPHAR3227 | Operate forwarder |
| FWPHAR3228 | Operate loader |
| FWPHAR3229 | Operate single grip harvester |
| FWPHAR3230 | Operate skidder |
| FWPHAR3232 | Operate harvesting machine with winch-assist system |
| FWPHAR3234 | Conduct mechanical processor operations |
| FWPHAR3235 | Conduct mechanically assisted tree falling operations |
| FWPHAR4206 | Implement environmental management practices in timber harvesting operations |
| FWPHAR4207 | Conduct a wood volume and yield assessment |
| FWPHAR4208 | Plan for and coordinate fire salvage operations |
| FWPHAR4209 | Plan for and coordinate forest harvesting operations |
| FWPHAR4210 | Plan for and coordinate log recovery (hook tender) |
| FWPNSY2001 | Collect tree seeds |
| FWPNSY2002 | Cut, sort and set cuttings |
| FWPNSY2003 | Follow quality procedures in forest nursery production |
| FWPNSY2004 | Prick out and transplant tree seedlings |
| FWPNSY2005 | Apply tree seed treatment |
| FWPNSY3001 | Graft nursery stock for planting in seed orchard |
| FWPNSY3002 | Extract, clean, store and despatch tree seeds |
| FWPNSY3003 | Apply knowledge of tree stock growing in a forest nursery |
| FWPNSY3004 | Identify, evaluate and mark quality seed trees |
| FWPNSY3005 | Maintain seed orchard |
| FWPNSY3006 | Manage mother plants |
| FWPNSY3007 | Operate automated topping system as part of tree production nursery operations |
| FWPNSY3008 | Operate automated seed sowing line for containerised forest seedling production |
| FWPSAW2212 | Assemble materials using nail plates |
| FWPSAW2213 | De-stack timber drying racks |
| FWPSAW2214 | Sort timber boards manually |
| FWPSAW3232 | Sharpen band saw blades |
| FWPSAW3233 | Sharpen circular saw blades |
| FWPSAW3234 | File and set saw blades for hand saws and circular saws |
| FWPSAW3235 | Recondition saw guides |
| FWPSAW3236 | Sharpen tipped circular saw blades |
| FWPSAW3237 | Level and tension circular saw blades |
| FWPSAW3238 | Replace Stellite tips |
| FWPSAW3239 | Assess and maintain wide band saw blades |
| FWPSAW3240 | Assess and maintain band saw wheels |
| FWPSAW3242 | Treat timber |
| FWPSAW3244 | Align sawing production systems |
| FWPSAW3245 | Join band saw blades |
| FWPSAW3247 | Replace tungsten tips |
| FWPSAW3251 | Apply principles of blade design to sawing procedures |
| FWPSAW3252 | Assemble, operate and dismantle a portable sawmill |
| FWPSAW3253 | Re-saw green timber |
| 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 |
| FWPSAW3257 | Operate timber drying kiln |
| FWPSAW4206 | Monitor output timber for optimum volume and value recovery |
| FWPSAW4207 | Optimise timber production for volume and value recovery |
| 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 |
| FWPSIL2001 | Select and mark trees for tending operations |
| FWPSIL2002 | Plant trees by hand |
| FWPSIL2003 | Prune trees |
| FWPSIL2004 | Collect forest data or samples for assessment and analysis |
| FWPSIL2005 | Measure trees |
| FWPSIL3001 | Apply sustainable silviculture treatments |
| FWPSIL3002 | Plant trees mechanically |
| FWPSIL3003 | Use mechanised equipment for forestry site preparation |
| FWPSIL4001 | Plan for and coordinate forest site preparation operations |
| FWPSIL4002 | Plan for and coordinate thinning operations in a native forest or plantation |
| FWPSIL4003 | Plan for and coordinate stem improvement operations |
| FWPSIL4004 | Plan for and coordinate forest establishment operations |
| FWPSIL4005 | Plan for and coordinate a stand health and nutrition program |
| FWPSIL4006 | Plan for and coordinate a pests and diseases assessment |
| FWPSIL4007 | Plan for and coordinate a regeneration rate assessment |
| FWPSIL4008 | Plan for and coordinate a forest site assessment |
| FWPSIL4009 | Plan for and coordinate tending operations in a native forest or plantation |
| FWPTMM2204 | Machine material |
| FWPTMM2205 | Cut material to length and angles |
| FWPTMM3208 | Apply critical workplace processes in the manufacture of prefabricated timber building systems |
| FWPTMM3209 | Install prefabricated timber building systems on-site |
| FWPTMM3211 | Manufacture using joinery machines |
| FWPTMM3212 | Estimate and cost job |
| FWPTMM3213 | Read and interpret timber truss or wall frame fabrication plans |
| FWPTMM3214 | Assemble timber floor trusses |
| FWPTMM3215 | Work effectively in the timber systems design industry |
| FWPTMM3216 | Plane and sand engineered wood product |
| FWPTMM3217 | Develop knowledge of plywood or laminated veneer lumber production |
| FWPTMM3218 | Develop knowledge of veneer preparation in plywood or laminated veneer lumber production |
| FWPTMM3219 | Develop knowledge of reconstituted wood panel production |
| FWPTMM3220 | Develop knowledge of glue laminated timber or cross laminated timber production |
| FWPTMM4209 | Interpret details of timber roof trusses to inform design of plans and production documents |
| FWPTMM4210 | Interpret details of timber floor systems to inform design of plans and production documents |
| FWPTMM4211 | Interpret details of timber wall frames to inform design of plans and production documents |
| FWPTMM4212 | Calculate production costs |
| FWPTMM4213 | Test finger jointed timber |
| FWPTMM4214 | Test laminated wood product |
| FWPTMM4215 | Plan for and coordinate timber product assembly |
| FWPTMM4216 | Plan for and supervise engineered wood product operations |
| FWPTMM5202 | Develop, trial and evaluate prototypes |
| FWPTMM5209 | Determine prefabricated timber building systems designs for compliance, manufacture and installation |
| FWPTMM5210 | Verify compliance and conformance of prefabricated timber building systems during manufacture |

Imported units of competency

| *FWP Forest and Wood Products Training Package Version 9.0*  *Imported Units of Competency* | | |
| --- | --- | --- |
| Code | Title | Source Training Package |
| AHCARB212 | Operate and maintain stump grinding machines | AHC - Agriculture, Horticulture and Conservation and Land Management Training Package |
| AHCARB318 | Undertake aerial rescue | AHC - Agriculture, Horticulture and Conservation and Land Management Training Package |
| AHCARB319 | Use arborist climbing techniques | AHC - Agriculture, Horticulture and Conservation and Land Management Training Package |
| AHCBIO204 | Follow site biosecurity procedures | AHC - Agriculture, Horticulture and Conservation and Land Management Training Package |
| AHCBIO303 | Apply biosecurity measures | AHC - Agriculture, Horticulture and Conservation and Land Management Training Package |
| AHCCHM101 | Follow basic chemical safety rules | AHC - Agriculture, Horticulture and Conservation and Land Management Training Package |
| AHCCHM201 | Apply chemicals under supervision | AHC - Agriculture, Horticulture and Conservation and Land Management Training Package |
| AHCCHM304 | Transport and store chemicals | AHC - Agriculture, Horticulture and Conservation and Land Management Training Package |
| AHCCHM307 | Prepare and apply chemicals to control pest, weeds and diseases | AHC - Agriculture, Horticulture and Conservation and Land Management Training Package |
| AHCCHM404 | Develop procedures to minimise risks in the use of chemicals | AHC - Agriculture, Horticulture and Conservation and Land Management Training Package |
| AHCCHM405 | Plan and implement a chemical use program | AHC - Agriculture, Horticulture and Conservation and Land Management Training Package |
| AHCECR502 | Conduct biological surveys | AHC - Agriculture, Horticulture and Conservation and Land Management Training Package |
| AHCINF206 | Install, maintain and repair farm fencing | AHC - Agriculture, Horticulture and Conservation and Land Management Training Package |
| AHCINF307 | Plan and construct conventional fencing | AHC - Agriculture, Horticulture and Conservation and Land Management Training Package |
| AHCIRG328 | Operate irrigation controller and sensor technology | AHC - Agriculture, Horticulture and Conservation and Land Management Training Package |
| AHCIRG346 | Operate pressurised irrigation systems | AHC - Agriculture, Horticulture and Conservation and Land Management Training Package |
| AHCLSC318 | Erect timber structures and features | AHC - Agriculture, Horticulture and Conservation and Land Management Training Package |
| AHCMOM202 | Operate tractors | AHC - Agriculture, Horticulture and Conservation and Land Management Training Package |
| AHCMOM207 | Conduct front-end loader operations | AHC - Agriculture, Horticulture and Conservation and Land Management Training Package |
| AHCMOM208 | Conduct excavator operations | AHC - Agriculture, Horticulture and Conservation and Land Management Training Package |
| AHCMOM209 | Conduct dozer operations | AHC - Agriculture, Horticulture and Conservation and Land Management Training Package |
| AHCMOM216 | Operate side by side utility vehicles | AHC - Agriculture, Horticulture and Conservation and Land Management Training Package |
| AHCMOM301 | Coordinate machinery and equipment maintenance and repair | AHC - Agriculture, Horticulture and Conservation and Land Management Training Package |
| AHCMOM306 | Ground spread fertiliser and soil ameliorant | AHC - Agriculture, Horticulture and Conservation and Land Management Training Package |
| AHCMOM402 | Supervise maintenance of property, machinery and equipment | AHC - Agriculture, Horticulture and Conservation and Land Management Training Package |
| AHCNRM507 | Manipulate and analyse data within geographic information systems | AHC - Agriculture, Horticulture and Conservation and Land Management Training Package |
| AHCNSY207 | Undertake propagation activities | AHC - Agriculture, Horticulture and Conservation and Land Management Training Package |
| AHCNSY314 | Operate fertigation equipment | AHC - Agriculture, Horticulture and Conservation and Land Management Training Package |
| AHCOCM201 | Maintain cultural places | AHC - Agriculture, Horticulture and Conservation and Land Management Training Package |
| AHCOCM401 | Protect places of cultural significance | AHC - Agriculture, Horticulture and Conservation and Land Management Training Package |
| AHCPMG201 | Treat weeds | AHC - Agriculture, Horticulture and Conservation and Land Management Training Package |
| AHCPMG202 | Treat plant pests, diseases and disorders | AHC - Agriculture, Horticulture and Conservation and Land Management Training Package |
| AHCPMG301 | Control weeds | AHC - Agriculture, Horticulture and Conservation and Land Management Training Package |
| AHCPMG302 | Control plant pests, diseases and disorders | AHC - Agriculture, Horticulture and Conservation and Land Management Training Package |
| AHCPMG304 | Use firearms to humanely destroy animals | AHC - Agriculture, Horticulture and Conservation and Land Management Training Package |
| AHCPMG309 | Apply pest animal control techniques | AHC - Agriculture, Horticulture and Conservation and Land Management Training Package |
| AHCSAW203 | Conduct erosion and sediment control activities | AHC - Agriculture, Horticulture and Conservation and Land Management Training Package |
| AHCSAW304 | Implement erosion and sediment control measures | AHC - Agriculture, Horticulture and Conservation and Land Management Training Package |
| AHCWRK215 | Collect and record production data | AHC - Agriculture, Horticulture and Conservation and Land Management Training Package |
| AHCWRK314 | Monitor weather conditions | AHC - Agriculture, Horticulture and Conservation and Land Management Training Package |
| AHCWRK323 | Operate in isolated and remote situations | AHC - Agriculture, Horticulture and Conservation and Land Management Training Package |
| AHCWRK404 | Implement and monitor quality assurance procedures | AHC - Agriculture, Horticulture and Conservation and Land Management Training Package |
| AHCWRK508 | Interpret legislation | AHC - Agriculture, Horticulture and Conservation and Land Management Training Package |
| AHCWRK509 | Provide specialist advice to clients | AHC - Agriculture, Horticulture and Conservation and Land Management Training Package |
| AHCWRK513 | Write and present reports | AHC - Agriculture, Horticulture and Conservation and Land Management Training Package |
| AVIY0028 | Operate remotely piloted aircraft in excluded category sub-2 kg operations | AVI - Aviation Training Package |
| BSBFIN501 | Manage budgets and financial plans | BSB - Business Services Training Package |
| BSBHRM413 | Support the learning and development of teams and individuals | BSB - Business Services Training Package |
| BSBINS201 | Process and maintain workplace information | BSB - Business Services Training Package |
| BSBINS302 | Organise workplace information | BSB - Business Services Training Package |
| BSBLDR301 | Support effective workplace relationships | BSB - Business Services Training Package |
| BSBLDR413 | Lead effective workplace relationships | BSB - Business Services Training Package |
| BSBLDR414 | Lead team effectiveness | BSB - Business Services Training Package |
| BSBOPS202 | Engage with customers | BSB - Business Services Training Package |
| BSBOPS304 | Deliver and monitor a service to customers | BSB - Business Services Training Package |
| BSBOPS305 | Process customer complaints | BSB - Business Services Training Package |
| BSBOPS402 | Coordinate business operational plans | BSB - Business Services Training Package |
| BSBOPS403 | Apply business risk management processes | BSB - Business Services Training Package |
| BSBOPS404 | Implement customer service strategies | BSB - Business Services Training Package |
| BSBPEF202 | Plan and apply time management | BSB - Business Services Training Package |
| BSBPEF301 | Organise personal work priorities | BSB - Business Services Training Package |
| BSBPEF402 | Develop personal work priorities | BSB - Business Services Training Package |
| BSBPMG427 | Apply project procurement procedures | BSB - Business Services Training Package |
| BSBPMG634 | Facilitate stakeholder engagement | BSB - Business Services Training Package |
| BSBSTR402 | Implement continuous improvement | BSB - Business Services Training Package |
| BSBTEC201 | Use business software applications | BSB - Business Services Training Package |
| BSBTWK201 | Work effectively with others | BSB - Business Services Training Package |
| BSBWHS211 | Contribute to the health and safety of self and others | BSB - Business Services Training Package |
| BSBWHS515 | Lead initial response to and investigate WHS incidents | BSB - Business Services Training Package |
| BSBXCM401 | Apply communication strategies in the workplace | BSB - Business Services Training Package |
| BSBXTW301 | Work in a team | BSB - Business Services Training Package |
| BSBXTW401 | Lead and facilitate a team | BSB - Business Services Training Package |
| CPCCBC4001 | Apply building codes and standards to the construction process for Class 1 and 10 buildings | CPC - Construction, Plumbing and Services Training Package |
| CPCCBC4024 | Resolve business disputes | CPC - Construction, Plumbing and Services Training Package |
| CPCCOM1015 | Carry out measurements and calculations | CPC - Construction, Plumbing and Services Training Package |
| CPPCMN4008 | Read plans, drawings and specifications for residential buildings | CPP - Property Services Training Package |
| CPPSSI4038 | Prepare and present GIS data | CPP - Property Services Training Package |
| CPPWMT3002 | Conduct waste resource recovery | CPP - Property Services Training Package |
| CPPWMT4003 | Implement waste management plans | CPP - Property Services Training Package |
| CPPWMT4010 | Assess and advise on waste avoidance options | CPP - Property Services Training Package |
| FBPOPR2074 | Carry out manual handling tasks | FBP - Food, Beverage and Pharmaceutical |
| FBPVIT3004 | Monitor and maintain nursery plants | FBP - Food, Beverage and Pharmaceutical |
| FSKLRG011 | Use routine strategies for work-related learning | FSK - Foundation Skills Training Package |
| FSKOCM007 | Interact effectively with others at work | FSK - Foundation Skills Training Package |
| FSKRDG007 | Read and respond to simple workplace information | FSK - Foundation Skills Training Package |
| FSKWTG006 | Write simple workplace information | FSK - Foundation Skills Training Package |
| HLTAID009 | Provide cardiopulmonary resuscitation | HLT - Health |
| HLTAID011 | Provide First Aid | HLT - Health |
| HLTAID013 | Provide First Aid in remote or isolated site | HLT - Health |
| HLTAID014 | Provide Advanced First Aid | HLT - Health |
| HLTAID016 | Manage first aid services and resources | HLT - Health |
| MEM05006 | Perform brazing and/or silver soldering | MEM - Manufacturing and Engineering |
| MEM05049 | Perform routine gas tungsten arc welding | MEM - Manufacturing and Engineering |
| MEM05050 | Perform routine gas metal arc welding | MEM - Manufacturing and Engineering |
| MEM09002 | Interpret technical drawing | MEM - Manufacturing and Engineering |
| MEM11011 | Undertake manual handling | MEM - Manufacturing and Engineering |
| MEM12023 | Perform engineering measurements | MEM - Manufacturing and Engineering |
| MEM12024 | Perform computations | MEM - Manufacturing and Engineering |
| MEM13003 | Work safely with industrial chemicals and materials | MEM - Manufacturing and Engineering |
| MEM13015 | Work safely and effectively in manufacturing and engineering | MEM - Manufacturing and Engineering |
| MEM14006 | Plan work activities | MEM - Manufacturing and Engineering |
| MEM16006 | Organise and communicate information | MEM - Manufacturing and Engineering |
| MEM18001 | Use hand tools | MEM - Manufacturing and Engineering |
| MEM18002 | Use power tools/hand held operations | MEM - Manufacturing and Engineering |
| MEM18003 | Use tools for precision work | MEM - Manufacturing and Engineering |
| MEM18006 | Perform precision fitting of engineering components | MEM - Manufacturing and Engineering |
| MEM18018 | Maintain pneumatic system components | MEM - Manufacturing and Engineering |
| MEM18019 | Maintain pneumatic systems | MEM - Manufacturing and Engineering |
| MEM18020 | Maintain hydraulic system components | MEM - Manufacturing and Engineering |
| MEM18021 | Maintain hydraulic systems | MEM - Manufacturing and Engineering |
| MEM18055 | Dismantle, replace and assemble engineering components | MEM - Manufacturing and Engineering |
| MEM18071 | Connect and disconnect fluid conveying system components | MEM - Manufacturing and Engineering |
| MEM30021 | Prepare a simple production schedule | MEM - Manufacturing and Engineering |
| MEM30032 | Produce basic engineering drawings | MEM - Manufacturing and Engineering |
| MSFDN4003 | Produce patterns and templates | MSF - Furnishing Training Package |
| MSFFM3012 | Set up, operate and maintain sawing machines | MSF - Furnishing Training Package |
| MSFFM3017 | Set up, operate and maintain routing and shaping machines | MSF - Furnishing Training Package |
| MSFGN2001 | Make measurements and calculations | MSF - Furnishing Training Package |
| MSL973022 | Conduct laboratory-based acceptance tests for construction materials | MSL - Laboratory Operations |
| MSMOPS102 | Perform tasks to support production | MSM - Manufacturing Training Package |
| MSMOPS212 | Use organisation computers or data systems | MSM - Manufacturing Training Package |
| MSMPCI102 | Apply effective work practices | MSM - Manufacturing Training Package |
| MSMSUP200 | Achieve work outcomes | MSM - Manufacturing Training Package |
| MSMSUP230 | Monitor process operations | MSM - Manufacturing Training Package |
| MSMSUP240 | Undertake minor maintenance | MSM - Manufacturing Training Package |
| MSMSUP291 | Participate in continuous improvement | MSM - Manufacturing Training Package |
| MSMSUP292 | Sample and test materials and product | MSM - Manufacturing Training Package |
| MSMSUP303 | Identify equipment faults | MSM - Manufacturing Training Package |
| MSMSUP390 | Use structured problem-solving tools | MSM - Manufacturing Training Package |
| MSS027014 | Apply environmental legislation, codes and standards | MSS - Sustainability |
| MSS402040 | Apply 5S procedures | MSS - Sustainability |
| MSS403001 | Review competitive systems and practices | MSS - Sustainability |
| MSS403010 | Facilitate change in an organisation implementing competitive systems and practices | MSS - Sustainability |
| MSS403021 | Facilitate a Just in Time system | MSS - Sustainability |
| MSS404054 | Apply statistics to operational processes | MSS - Sustainability |
| MSS405053 | Manage application of six sigma for process control and improvement | MSS - Sustainability |
| MSS407010 | Improve visual management in the workplace | MSS - Sustainability |
| MSS407016 | Lead a process to determine and solve root cause for a complex problem | MSS - Sustainability |
| PSPPCM007 | Manage contracts | PSP - Public Sector Training Package |
| PUAEQU001 | Prepare, maintain and test response equipment | PUA - Public Safety |
| PUAFIR017 | Work safely around aircraft | PUA - Public Safety |
| PUAFIR201 | Assist with prescribed burning | PUA - Public Safety |
| PUAFIR203 | Respond to urban fire | PUA - Public Safety |
| PUAFIR204 | Respond to wildfire | PUA - Public Safety |
| PUAFIR205 | Respond to aviation incident (specialist) | PUA - Public Safety |
| PUAFIR207 | Operate breathing apparatus open circuit | PUA - Public Safety |
| PUAFIR210 | Prevent injury | PUA - Public Safety |
| PUAFIR220 | Respond to isolated structure fire | PUA - Public Safety |
| PUAFIR303 | Suppress wildfire | PUA - Public Safety |
| PUAFIR309 | Operate pumps | PUA - Public Safety |
| PUAFIR323 | Take local weather observations | PUA - Public Safety |
| PUAFIR325 | Operate heavy plant in fire control operations | PUA - Public Safety |
| PUAFIR326 | Push Trees with machines in forest fire control operations | PUA - Public Safety |
| PUAFIR402 | Conduct simple prescribed burns | PUA - Public Safety |
| PUAFIR406 | Develop simple prescribed burn plans | PUA - Public Safety |
| PUAFIR407 | Interpret and analyse fire weather information | PUA - Public Safety |
| PUAFIR417 | Supervise machinery use in wildfire operations | PUA - Public Safety |
| PUAFIR501 | Conduct fire investigation and analysis activities | PUA - Public Safety |
| PUAFIR506 | Conduct complex prescribed burns | PUA - Public Safety |
| PUAFIR509 | Implement prevention strategies | PUA - Public Safety |
| PUAFIR515 | Develop complex prescribed burn plans | PUA - Public Safety |
| PUALAW001 | Protect and preserve incident scene | PUA - Public Safety |
| PUALAW002 | Conduct initial investigation at incident scene | PUA - Public Safety |
| PUAOPE013 | Operate communications systems and equipment | PUA - Public Safety |
| PUAOPE014 | Navigate to an incident | PUA - Public Safety |
| PUAOPE016 | Manage a multi-team sector | PUA - Public Safety |
| PUATEA001 | Work in a team | PUA - Public Safety |
| PUATEA002 | Work autonomously | PUA - Public Safety |
| PUAWHS002 | Maintain safety at an incident scene | PUA - Public Safety |
| RIIHAN308F | Load and unload plant | RII - Resources and Infrastructure Industry Training Package |
| RIIMPO315E | Conduct tractor operations | RII - Resources and Infrastructure Industry Training Package |
| RIIMPO317F | Conduct roller operations | RII - Resources and Infrastructure Industry Training Package |
| RIIMPO318F | Conduct civil construction skid steer loader operations | RII - Resources and Infrastructure Industry Training Package |
| RIIMPO319E | Conduct backhoe/loader operations | RII - Resources and Infrastructure Industry Training Package |
| RIIMPO320F | Conduct civil construction excavator operations | RII - Resources and Infrastructure Industry Training Package |
| RIIMPO321F | Conduct civil construction wheeled front end loader operations | RII - Resources and Infrastructure Industry Training Package |
| RIIMPO322E | Conduct civil construction tracked front end loader operations | RII - Resources and Infrastructure Industry Training Package |
| RIIMPO323E | Conduct civil construction dozer operations | RII - Resources and Infrastructure Industry Training Package |
| RIIMPO324F | Conduct civil construction grader operations | RII - Resources and Infrastructure Industry Training Package |
| RIIPGP201D | Conduct pump operations | RII - Resources and Infrastructure Industry Training Package |
| RIIVEH304E | Conduct tip truck operations | RII - Resources and Infrastructure Industry Training Package |
| SIRRINV001 | Receive and handle retail stock | SIR - Retail Services Training Package |
| SIRRRTF001 | Balance and secure point-of-sale terminal | SIR - Retail Services Training Package |
| SIRWSLS001 | Process product and service data | SIR - Retail Services Training Package |
| SIRXCEG003 | Build customer relationships and loyalty | SIR - Retail Services Training Package |
| SIRXCEG005 | Maintain business to business relationships | SIR - Retail Services Training Package |
| SIRXSLS001 | Sell to the retail customer | SIR - Retail Services Training Package |
| TAEDEL301 | Provide work skill instruction | TAE - Training and Education Training Package |
| TAEDEL311 | Provide work skill instruction | TAE - Training and Education Training Package |
| TAEDEL411 | Facilitate vocational training | TAE - Training and Education Training Package |
| TAEDEL412 | Facilitate workplace-based learning | TAE - Training and Education Training Package |
| TAEDEL414 | Mentor in the workplace | TAE - Training and Education Training Package |
| TAEDES401 | Design and develop learning programs | TAE - Training and Education Training Package |
| TLIA0004 | Complete receival and despatch documentation | TLI - Transport and Logistics Training Package |
| TLIA0015 | Organise receival and despatch operations | TLI - Transport and Logistics Training Package |
| TLIA0019 | Despatch stock | TLI - Transport and Logistics Training Package |
| TLIA0022 | Pick and process orders | TLI - Transport and Logistics Training Package |
| TLIA0024 | Replenish stock | TLI - Transport and Logistics Training Package |
| TLID0006 | Move materials mechanically using automated equipment | TLI - Transport and Logistics Training Package |
| TLID0007 | Operate specialised load shifting equipment | TLI - Transport and Logistics Training Package |
| TLID0015 | Load and unload goods/cargo | TLI - Transport and Logistics Training Package |
| TLID0016 | Operate a forklift | TLI - Transport and Logistics Training Package |
| TLID0020 | Shift materials safely using manual handling methods | TLI - Transport and Logistics Training Package |
| TLID1001 | Shift materials safely using manual handling methods | TLI - Transport and Logistics Training Package |
| TLID2022 | Conduct weighbridge operations | TLI - Transport and Logistics Training Package |
| TLID3011 | Conduct specialised forklift operations | TLI - Transport and Logistics Training Package |
| TLIF0009 | Ensure the safety of transport activities (Chain of Responsibility) | TLI - Transport and Logistics Training Package |
| TLIF0014 | Monitor the safety of transport activities (Chain of Responsibility) | TLI - Transport and Logistics Training Package |
| TLIF0022 | Conduct housekeeping activities | TLI - Transport and Logistics Training Package |
| TLIF2010 | Apply fatigue management strategies | TLI - Transport and Logistics Training Package |
| TLIF4064 | Manage fatigue management policy and procedures | TLI - Transport and Logistics Training Package |
| TLIH0005 | Interpret road maps and navigate pre-determined routes | TLI - Transport and Logistics Training Package |
| TLIJ0003 | Apply quality systems | TLI - Transport and Logistics Training Package |
| TLILIC0003 | Licence to operate a forklift truck | TLI - Transport and Logistics Training Package |
| TLILIC0024 | Licence to operate a vehicle loading crane (capacity 10 metre tonnes and above) | TLI - Transport and Logistics Training Package |
| TLILIC2014 | Licence to drive a light rigid vehicle | TLI - Transport and Logistics Training Package |
| TLILIC2015 | Licence to drive a medium rigid vehicle | TLI - Transport and Logistics Training Package |
| TLIR4002 | Source goods/services and evaluate contractors | TLI - Transport and Logistics Training Package |
| TLIX0004X | Administer inventory systems | TLI - Transport and Logistics Training Package |
| TLIX0013X | Maintain stock control and receivals | TLI - Transport and Logistics Training Package |

Appendix 2: Mapping information

FWP Forest and Wood Products Training Package Version 8.2 to Version 9.0

Qualifications

*Mapping of qualifications from FWP Forest and Wood Products Training Package*

*Version 8.2 to Version 9.0*

| Code and title (Version 9.0) | Code and title (Version 9.0) | Comments | Equivalence statement |
| --- | --- | --- | --- |
| FWP20122 Certificate II in Forest Operations  Release 1 | FWP20122 Certificate II in Forest Operations  Release 2 | New code for elective unit | Equivalent |
| FWP30122 Certificate III in Forest Operations  Release 1 | FWP30122 Certificate III in Forest Operations  Release 1 | New code for elective units | Equivalent |
| FWP40121 Certificate IV in Forest Operations  Release 2 | FWP40121 Certificate IV in Forest Operations  Release 3 | New code for elective unit | Equivalent |

Units of competency

*Mapping of units of competency from FWP Forest and Wood Products Training Package*

*Version 8.2 to Version 9.0*

| Code and title (Version 8.2) | Code and title (Version 9.0) | Comments | Equivalence statement |
| --- | --- | --- | --- |
| FWPCOT2274 Fell trees manually (basic) | FWPCOT2275 Fell trees manually (basic) | Changes to Application and the volume/frequency of Performance Evidence to address industry needs | Equivalent |
| FWPCOT3347 Fell trees manually (intermediate) | FWPCOT3350 Fell trees manually (intermediate) | Changes to Application and the volume/frequency of Performance Evidence to address industry needs | Equivalent |
| FWPCOT3348 Fell trees manually (advanced) | FWPCOT3351 Fell trees manually (advanced) | Changes to the volume/frequency of Performance Evidence to address industry needs | Equivalent |

FWP Forest and Wood Products Training Package Version 8.0 to Version 8.1

Qualifications

*Mapping of qualifications from FWP Forest and Wood Products Training Package*

*Version 8.0 to Version 8.1*

| Code and title (Version 8.0) | Code and title (Version 8.1) | Comments | Equivalence statement |
| --- | --- | --- | --- |
| FWP40222 Certificate IV in Timber and Wood Products Operations Release 1 | FWP40222 Certificate IV in Timber and Wood Products Operations Release 2 | Revised title of elective units | Equivalent |

FWP Forest and Wood Products Training Package Version 7.1 to Version 8.0

Qualifications

*Mapping of qualifications from FWP Forest and Wood Products Training Package*

*Version 7.1 to Version 8.0*

| Code and title (Version 7.1) | Code and title (Version 8.0) | Comments | Equivalence statement |
| --- | --- | --- | --- |
| FWP20121 Certificate II in Forest Operations | FWP20122 Certificate II in Forest Operations | Added a unit and updated native unit codes and titles that form part of specialisations; New qualification code | Equivalent |
| FWP20316 Certificate II in Sawmilling and Processing | FWP20322 Certificate II in Timber and Wood Products Operations | Qualification merged with FWP20516 Certificate II in Timber Manufactured Products; Title changed; Revised packaging rules; 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 |
| FWP20516 Certificate II in Timber Manufactured Products | FWP20322 Certificate II in Timber and Wood Products Operations | Qualification merged with FWP20316 Certificate II in Sawmilling and Processing; Title changed; Revised packaging rules; 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 |
| FWP30121 Certificate III in Forest Operations | FWP30122 Certificate III in Forest Operations | Added units and updated native unit codes and titles that form part of specialisations; New qualification code | Equivalent |
| FWP30316 Certificate III in Sawmilling and Processing | FWP30322 Certificate III in Timber and Wood Products Operations | 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 |
| FWP30516 Certificate III in Timber Manufactured Products | FWP30322 Certificate III in Timber and Wood Products Operations | Qualification merged with FWP30316 Certificate III in Sawmilling and Processing; 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 |
| FWP30621 Certificate III in Timber Building Products Supply | FWP30622 Certificate III in Timber Building Products Supply | Updated native unit codes and titles that form part of a specialisation; New qualification code | Equivalent |
| FWP30920 Certificate III in Timber Truss or Frame Manufacture Release 2 | FWP30920 Certificate III in Timber Truss or Frame Manufacture Release 3 | Updated native unit code and title in the elective list | Equivalent |
| FWP31021 Certificate III in Saw Technology  Release 1 | FWP31021 Certificate III in Saw Technology  Release 2 | Added a unit and updated a native unit code in the elective list | Equivalent |
| FWP31121 Certificate III in Wood Machining Release 1 | FWP31121 Certificate III in Wood Machining Release 2 | Added units and updated native unit codes and titles in the elective list | Equivalent |
| FWP40121 Certificate IV in Forest Operations Release 1 | FWP40121 Certificate IV in Forest Operations Release 2 | Added units to the elective list | Equivalent |
| FWP40216 Certificate IV in Timber Processing | FWP40222 Certificate IV in Timber and Wood Products Operations | Title changed; Revised packaging rules to better reflect outcomes; Removed core unit requirements; Revised the structure (groups) of the elective units; Imported elective units from other training packages; Added new units and revised existing units | Not equivalent |

Skill sets

*Mapping of skill sets from FWP Forest and Wood Products Training Package*

*Version 7.1 to Version 8.0*

| Code and title (Version 7.1) | Code and title (Version 8.0) | Comments | Equivalence statement |
| --- | --- | --- | --- |
| FWPSS00028 Skill set for a finger jointing plant operator | Not applicable | Not applicable | Deleted |
| FWPSS00029 Skill set for a finger jointing moulder operator | Not applicable | Not applicable | Deleted |
| FWPSS00030 Skill set for a finger jointing grader operator | Not applicable | Not applicable | Deleted |
| FWPSS00031 Skill set for a finger jointing quality control tester | Not applicable | Not applicable | Deleted |
| FWPSS00065 Silviculture Worker Skill Set Release 1 | FWPSS00065 Silviculture Worker Skill Set Release 2 | Updated unit code | Equivalent |
| Not applicable | FWPSS00068 Entry into a Saw Technician Role Skill Set | This skill set has been created to address a specific job task required by industry | Newly created |
| Not applicable | FWPSS00069 Entry into a Wood Machinist Role Skill Set | This skill set has been created to address a specific job task required by industry | Newly created |
| Not applicable | FWPSS00070 Process Control and Optimisation (Timber Sawmills) Skill Set | This skill set has been created to address a specific job task required by industry | Newly created |
| Not applicable | FWPSS00071 Foundational Leadership and Management (Log Yard Operations) Skill Set | This skill set has been created to address a specific job task required by industry | Newly created |
| Not applicable | FWPSS00072 Foundational Leadership and Management (Log Processing Operations) Skill Set | This skill set has been created to address a specific job task required by industry | Newly created |
| Not applicable | FWPSS00073 Foundational Leadership and Management (Timber Dry Mill Operations) Skill Set | This skill set has been created to address a specific job task required by industry | Newly created |
| Not applicable | FWPSS00074 Foundational Leadership and Management (Timber Kiln Drying Operations) Skill Set | This skill set has been created to address a specific job task required by industry | Newly created |
| Not applicable | FWPSS00075 Foundational Leadership and Management (Timber Treatment Operations) Skill Set | This skill set has been created to address a specific job task required by industry | Newly created |
| Not applicable | FWPSS00076 Foundational Leadership and Management (Engineered Wood Products Operations) Skill Set | This skill set has been created to address a specific job task required by industry | Newly created |

Units of competency

*Mapping of units of competency from FWP Forest and Wood Products Training Package*

*Version 7.1 to Version 8.0*

| Code and title (Version 7.1) | Code and title (Version 8.0) | Comments | Equivalence statement |
| --- | --- | --- | --- |
| FWPCOT2202 Rack material | FWPCOT2272 Rack timber or round poles | New unit title; Updated Application statement; Revised Elements, Performance Criteria, Foundation Skills, Performance Evidence, Knowledge Evidence, and Assessment Conditions | Equivalent |
| FWPCOT2209 Produce finger jointed timber | FWPCOT3337 Operate timber finger jointing line | New unit title; Revised and updated all unit components. | Not equivalent |
| FWPCOT2231 Pack products | FWPCOT2271 Pack timber or wood products for despatch | New unit title; Minor edits to Application, Performance Criteria, Foundation Skills, Performance Evidence and Assessment Conditions | Equivalent |
| FWPCOT2234 Dock material to length | FWPCOT2268 Cut timber or engineered wood product to length or dimensions | Redesigned unit that includes content from FWPCOT2234 Dock material to length, FWPSAW2204 Dock boards with mechanical feed and FWPWPP2213 Cut panels | Not equivalent |
| FWPCOT2240 Cut material with a pole saw | FWPCOT2270 Cut wood materials with pole saw for unblocking machinery components | New unit title; Revised Elements, Performance Criteria, Foundation Skills, Performance Evidence and Assessment Conditions | Equivalent |
| FWPCOT2245 Operate and maintain a table saw | FWPCOT2269 Operate and maintain a table saw | Reworded Application statement to broaden unit scope; Minor updates to Performance Criteria; Revised Foundation Skills and Performance Evidence; Minor edits to Knowledge Evidence and Assessment Conditions | Not equivalent |
| FWPCOT2253 Fell trees manually (basic) | FWPCOT2274 Fell trees manually (basic) | Changes to the volume/frequency of Performance Evidence and other minor changes to address industry needs | Equivalent |
| FWPCOT2256 Trim and cut felled trees | FWPCOT2273 Trim and cut felled trees | Information added to Application; Changes to the volume/frequency of Performance Evidence to address industry needs | Equivalent |
| FWPCOT3203 Weigh loads | Not applicable | Not applicable | Deleted |
| FWPCOT3208 Test strength of joints | FWPTMM4213 Test finger jointed timber | Unit redeveloped to address a relevant skill or task that is required by industry. | Not equivalent |
| FWPCOT3224 Plan and monitor equipment maintenance | FWPCOT3335 Conduct operator level equipment maintenance in forest and wood products industry | Unit redesigned to emphasise operator level equipment maintenance, including the addition of a new Element 2 for shutting down and isolating equipment. Includes content from previous unit. Major changes to all sections of the unit. | Not equivalent |
| FWPCOT3227 Receive and measure logs | FWPCOT3340 Develop knowledge of log yard operations | The unit has been redeveloped to address a skill or task required by industry that is not covered by an existing unit. | Not equivalent |
| FWPCOT3231 Operate steam boiler | FWPCOT3334 Conduct steam boiler operations | Redesigned unit that includes content from FWPCOT3231 Operate steam boiler and FWPCOT4206 Plan and coordinate boiler operations | Not equivalent |
| FWPCOT3232 Operate heat plant | FWPCOT3333 Conduct heat plant operations | Redesigned unit that includes content from FWPCOT3232 Operate heat plant and FWPCOT4207 Plan and coordinate heat plant operation | Not equivalent |
| FWPCOT3235 Machine material using CNC machining and processing centres | FWPCOT3332 Machine timber or engineered wood products using CNC machining and processing centres | Updated unit title; Minor changes to Application and Knowledge Evidence; Revised Foundation Skills, Performance Evidence and Assessment Conditions | Equivalent |
| FWPCOT3240 Grade heavy structural/engineered products | FWPCOT3339 Grade wood product visually | Redesigned unit that includes content from FWPCOT3240 Grade heavy structural/engineered products, FWPCOT3284 Grade, sort and mark timber materials and FWPSAW2201 Grade round poles and debarked logs | Not equivalent |
| FWPCOT3248 Dry timber in solar assisted kilns | FWPSAW3257 Operate timber drying kiln | Redesigned unit that includes content from FWPCOT3248 Dry timber in solar assisted kilns, FWPSAW3205 Dry hardwood, FWPSAW3206 Dry softwood and FWPWPP3212 Dry material | Not equivalent |
| FWPCOT3268 Plane and sand engineered wood products | FWPTMM3216 Plane and sand engineered wood product | Minor edits to unit title, Performance Criteria; Updated Foundation Skills; Revised Performance Evidence; Minor edits to Knowledge Evidence. | Equivalent |
| FWPCOT3284 Grade, sort and mark timber materials | FWPCOT3339 Grade wood product visually | Redesigned unit that includes content from FWPCOT3240 Grade heavy structural/engineered products, FWPCOT3284 Grade, sort and mark timber materials and FWPSAW2201 Grade round poles and debarked logs | Not equivalent |
| FWPCOT3285 Apply knowledge of wood technology principles to end use applications | FWPCOT3349 Assess timber against quality requirements and specifications | Corrected title to reflect work outcomes; Foundation Skills updated; Minor changes to Performance Criteria and Knowledge Evidence | Equivalent |
| FWPCOT3288 Set up, operate and maintain finger jointing machines | FWPCOT3336 Coordinate set up and operation of timber finger jointing line | New unit title; Revised and updated Application, Elements, Performance Criteria, foundation Skills and Performance Evidence. | Not equivalent |
| FWPCOT3326 Recover four wheel drive vehicle Release 1 | FWPCOT3326 Recover four wheel drive vehicle Release 2 | Minor edits to Performance Evidence for providing clarification | Equivalent |
| FWPCOT4203 Plan and coordinate product assembly | FWPTMM4215 Plan for and coordinate timber product assembly | Updated unit title; Minor edits to Elements, Performance Evidence, Knowledge Evidence and Assessment Conditions; Updated Foundation Skills | Equivalent |
| FWPCOT4205 Coordinate log debarking operations | FWPCOT4221 Plan for and supervise log yard operations | Unit redeveloped to increase its application and address a relevant skill or task that is required by industry. | Not equivalent |
| FWPCOT4206 Plan and coordinate boiler operations | FWPCOT3334 Conduct steam boiler operations | Redesigned unit that includes content from FWPCOT3231 Operate steam boiler and FWPCOT4206 Plan and coordinate boiler operations | Not equivalent |
| FWPCOT4207 Plan and coordinate heat plant operations | FWPCOT3333 Conduct heat plant operations | Redesigned unit that includes content from FWPCOT3232 Operate heat plant and FWPCOT4207 Plan and coordinate heat plant operations | Not equivalent |
| FWPFGM3216 Fell trees manually (intermediate) | FWPCOT3347 Fell trees manually (intermediate) | Changes to the volume/frequency of Performance Evidence and other minor changes to address industry needs | Equivalent |
| FWPFGM3217 Fell trees manually (advanced) | FWPCOT3348 Fell trees manually (advanced) | Information added to Application; Changes to the volume/frequency of Performance Evidence to address industry needs | Equivalent |
| FWPHAR4209 Plan for and coordinate forest harvesting operations Release 1 | FWPHAR4209 Plan for and coordinate forest harvesting operations Release 2 | Minor edits to clarify performance criteria | Equivalent |
| FWPSAW2201 Grade round poles and debarked logs | FWPCOT3339 Grade wood product visually | Redesigned unit that includes content from FWPCOT3240 Grade heavy structural/engineered products, FWPCOT3284 Grade, sort and mark timber materials and FWPSAW2201 Grade round poles and debarked logs | Not equivalent |
| FWPSAW2202 Sort boards manually | FWPSAW2214 Sort timber boards manually | New unit title; Revised Elements, Performance Criteria, Foundation Skills, Performance Evidence, Knowledge Evidence and Assessment Conditions | Equivalent |
| FWPSAW2204 Dock boards with mechanical feed | FWPCOT2268 Cut timber or engineered wood product to length or dimensions | Redesigned unit that includes content from FWPCOT2234 Dock material to length, FWPSAW2204 Dock boards with mechanical feed and FWPWPP2213 Cut panels | Not equivalent |
| FWPSAW2206 De-stack seasoning racks | FWPSAW2213 De-stack timber drying racks | Revised Application, Elements, Performance Criteria, Foundation Skills, Performance Evidence and Assessment Conditions | Equivalent |
| FWPSAW2209 Dismantle, transport and assemble hand portable sawmill | FWPSAW3252 Assemble, operate and dismantle a portable sawmill | Redesigned unit that includes content from FWPSAW2209 Dismantle, transport and assemble hand portable sawmill and FWPSAW3229 Operate a portable sawmill | Not equivalent |
| FWPSAW3205 Dry hardwood | FWPSAW3257 Operate timber drying kiln | Redesigned unit that includes content from FWPCOT3248 Dry timber in solar assisted kilns, FWPSAW3205 Dry hardwood, FWPSAW3206 Dry softwood and FWPWPP3212 Dry material | Not equivalent |
| FWPSAW3206 Dy softwood | FWPSAW3257 Operate timber drying kiln | Redesigned unit that includes content from FWPCOT3248 Dry timber in solar assisted kilns, FWPSAW3205 Dry hardwood, FWPSAW3206 Dry softwood and FWPWPP3212 Dry material | Not equivalent |
| FWPSAW3215 Screen wood chips | FWPCOT3342 Screen wood chips | Updated Application; Revised and added new Elements and Performance Criteria; Revised Foundation Skills, Performance Evidence and Assessment Conditions; Added new Knowledge Evidence items | Not equivalent |
| FWPSAW3216 Transfer wood chips | FWPCOT3344 Transfer wood chips | Revised Application, Updated and new Elements and Performance Criteria; Revised Foundation Skills, Performance Evidence, Knowledge Evidence and Assessment Conditions | Not equivalent |
| FWPSAW3223 Assess wood chips | FWPCOT3343 Test wood chips quality | New unit title; Revised Elements and new Performance Criteria and Knowledge Evidence; Revised Foundation Skills, Performance Evidence, and Assessment Conditions | Not equivalent |
| FWPSAW3224 Coordinate and monitor the wood chip stockpile | FWPCOT3341 Coordinate and monitor wood chip stockpile | Revised Performance Criteria; Updated Foundation Skills Performance Evidence and Assessment Conditions | Equivalent |
| FWPSAW3229 Operate a portable sawmill | FWPSAW3252 Assemble, operate and dismantle a portable sawmill | Redesigned unit that includes content from FWPSAW2209 Dismantle, transport and assemble hand portable sawmill and FWPSAW3229 Operate a portable sawmill | Not equivalent |
| FWPSAW3230 Perform primary log breakdown | FWPSAW3255 Operate conventional log breakdown saw line | Redesigned unit that includes content from FWPSAW3230 Perform primary log breakdown, FWPSAW3231 Perform secondary log breakdown and FWPSAW3241 Set up and operate production saws used in sawmill operations | Not equivalent |
| FWPSAW3231 Perform secondary log breakdown | FWPSAW3255 Operate conventional log breakdown saw line | Redesigned unit that includes content from FWPSAW3230 Perform primary log breakdown, FWPSAW3231 Perform secondary log breakdown and FWPSAW3241 Set up and operate production saws used in sawmill operations | Not equivalent |
| FWPSAW3241 Set up and operate production saws used in sawmill operations | FWPSAW3255 Operate conventional log breakdown saw line | Redesigned unit that includes content from FWPSAW3230 Perform primary log breakdown, FWPSAW3231 Perform secondary log breakdown and FWPSAW3241 Set up and operate production saws used in sawmill operations | Not equivalent |
| FWPSAW3243 Produce sawn green boards | FWPSAW3253 Re-saw green timber | Redesigned unit that incorporates content from FWPSAW3243 Produce sawn green boards and FWPTMM3210 Convert timber | Not equivalent |
| FWPSAW3249 Saw logs using CNC optimising systems | FWPSAW3254 Control and monitor automated green mill saw line | New unit title; Revised Application, Elements and Performance Criteria; Revised Foundation Skills; Updated Performance Evidence, Knowledge Evidence and Assessment Conditions. | Not equivalent |
| FWPSAW3250 Select and saw logs in multi-species operations | FWPSAW3256 Select and saw logs in multi-species operations | Revised Application, Elements, Performance Criteria, Foundation Skills, Performance Evidence and Assessment Conditions | Equivalent |
| FWPSAW4201 Plan and monitor timber treatment plant operations | FWPCOT4222 Plan for and supervise timber treatment plant operations | Revised unit title; Minor revisions to Application; Added new Elements and Performance Criteria; Revised Foundation Skills; Revised Performance Evidence; Added new Knowledge Evidence Revised Assessment Conditions | Not equivalent |
| FWPSAW4202 Plan and monitor saw log operations | FWPSAW4209 Plan for and supervise log processing operations | Unit redeveloped to increase its application and address a relevant skill or task that is required by industry. | Not equivalent |
| FWPSAW4203 Coordinate timber drying operations | FWPSAW4208 Plan for and coordinate timber drying operations | Revised unit title; Minor revisions to Application; Updated Elements, Performance Criteria, Foundation Skills, Performance Evidence, Knowledge Evidence and Assessment Conditions. | Not equivalent |
| FWPSAW4205 Plan and monitor timber conversion | FWPSAW4210 Plan for and supervise timber dry mill operations | Unit redeveloped to increase its application and address a relevant skill or task that is required by industry. | Not equivalent |
| FWPTMM3210 Convert timber | FWPSAW3253 Re-saw green timber | Redesigned unit that incorporates content from FWPSAW3243 Produce sawn green boards and FWPTMM3210 Convert timber | Not equivalent |
| FWPTMM4203 Install and commission CNC software | Not applicable | Not applicable | Deleted |
| FWPTMM4204 Sample and test products to specifications | FWPTMM4214 Test laminated wood product | Unit redeveloped to address a relevant skill or task that is required by industry. | Not equivalent |
| FWPTMM4208 Construct prototypes and samples for timber structures | Not applicable | Not applicable | Deleted |
| FWPWPP2213 Cut panels | FWPCOT2268 Cut timber or engineered wood product to length or dimensions | Redesigned unit that includes content from FWPCOT2234 Dock material to length, FWPSAW2204 Dock boards with mechanical feed and FWPWPP2213 Cut panels | Not equivalent |
| FWPWPP3201 Produce veneer from debarked logs | FWPTMM3217 Develop knowledge of plywood or laminated veneer lumber production | The unit has been redeveloped to address a skill or task required by industry that is not covered by an existing unit. | Not equivalent |
| FWPWPP3209 Prepare resin and additives | FWPCOT3338 Identify glues and gluing systems used in production of wood products | Unit redeveloped to address a relevant skill or task that is required by industry. | Not equivalent |
| FWPWPP3212 Dry material | FWPSAW3257 Operate timber drying kiln | Redesigned unit that includes content from FWPCOT3248 Dry timber in solar assisted kilns, FWPSAW3205 Dry hardwood, FWPSAW3206 Dry softwood and FWPWPP3212 Dry material | Not equivalent |
| FWPWPP3231 Produce veneer from prepared flitches | FWPTMM3218 Develop knowledge of veneer preparation in plywood or laminated veneer lumber production | The unit has been redeveloped to address a skill or task required by industry that is not covered by an existing unit. | Not equivalent |
| Not applicable | FWPCOT3345 Develop knowledge of chain of custody certification requirements for forest and wood products | The unit has been created to address a skill or task required by industry that is not covered by an existing unit. | Newly created |
| Not applicable | FWPCOT3346 Communicate effectively with general public or stakeholders concerned about forest practices | The unit has been created to address a skill or task required by industry that is not covered by an existing unit | Newly created |
| Not applicable | FWPCOT4223 Assess requirements of chain of custody certification scheme for forest and wood products | The unit has been created to address a skill or task required by industry that is not covered by an existing unit. | Newly created |
| Not applicable | FWPCOT4224 Conduct internal audit of chain of custody certification for forest and wood products | The unit has been created to address a skill or task required by industry that is not covered by an existing unit. | Newly created |
| Not applicable | FWPCOT4225 Apply principles of pneumatics and hydraulics to analyse potential equipment failures | The unit has been created to address a skill or task required by industry that is not covered by an existing unit. | Newly created |
| Not applicable | FWPFIR3002 Apply communication protocols during post-bushfire vegetation clearing and clean-up operations | The unit has been created to address a skill or task required by industry that is not covered by an existing unit. | Newly created |
| Not applicable | FWPFIR4001 Conduct tree hazard assessment post-fire | The unit has been created to address a skill or task required by industry that is not covered by an existing unit. | Newly created |
| Not applicable | FWPTMM3219 Develop knowledge of reconstituted wood panel production | The unit has been created to address a skill or task required by industry that is not covered by an existing unit. | Newly created |
| Not applicable | FWPTMM3220 Develop knowledge of glue laminated timber or cross laminated timber production | The unit has been created to address a skill or task required by industry that is not covered by an existing unit. | Newly created |
| Not applicable | FWPTMM4216 Plan for and supervise engineered wood product operations | The unit has been created to address a skill or task required by industry that is not covered by an existing unit. | Newly created |

FWP Forest and Wood Products Training Package Version 7.0 to Version 7.1

Qualifications

*Mapping of qualifications from FWP Forest and Wood Products Training Package*

*Version 7.0 to Version 7.1*

| Code and title (Version 7.0) | Code and title (Version 7.1) | Comments | Equivalence statement |
| --- | --- | --- | --- |
| FWP30121 Certificate III in Forest Operations Release 1 | FWP30121 Certificate III in Forest Operations Release 2 | Imported elective unit codes updated  Prerequisite requirements table corrected | Equivalent |

FWP Forest and Wood Products Training Package Version 6.3 to Version 7.0

Qualifications

*Mapping of qualifications from FWP Forest and Wood Products Training Package*

*Version 6.3 to Version 7.0*

| Code and title (Version 6.3) | Code and title (Version 7.0) | Comments | Equivalence statement |
| --- | --- | --- | --- |
| FWP10116 Certificate I in Forest and Forest Products | Not applicable | Deleted | Deleted |
| FWP20116 Certificate II in Forest Growing and Management | FWP20121 Certificate II in Forest Operations | Qualification merged from FWP20216 Certificate II in Harvesting and Haulage FWP20116 Certificate II in Forest Growing and Management; Title changed; Revised packaging rules and created specialisations to better reflect outcomes; Reduced the number of core units by 1 unit; Revised the structure (groups) of the elective units; Added new units and revised existing units | Not equivalent |
| FWP20216 Certificate II in Harvesting and Haulage | FWP20121 Certificate II in Forest Operations | Qualification merged from FWP20216 Certificate II in Harvesting and Haulage FWP20116 Certificate II in Forest Growing and Management; Title changed; Revised packaging rules and created specialisations to better reflect outcomes; Reduced the number of core units by 1 unit; Revised the structure (groups) of the elective units; Added new units and revised existing units | Not equivalent |
| FWP30116 Certificate III in Forest Growing and Management | FWP30121 Certificate III in Forest Operations | Qualification merged from FWP30216 Certificate III in Harvesting and Haulage FWP30116 Certificate III in Forest Growing and Management; 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; Added new units and revised existing units | Not equivalent |
| FWP30216 Certificate III in Harvesting and Haulage | FWP30121 Certificate III in Forest Operations | Qualification merged from FWP30216 Certificate III in Harvesting and Haulage FWP30116 Certificate III in Forest Growing and Management; 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; Added new units and revised existing units | Not equivalent |
| FWP30620 Certificate III in Timber Building Products Supply | FWP30621 Certificate III in Timber Building Products Supply | Updated imported and native unit codes; New qualification code | Equivalent |
| FWP30920 Certificate III in Timber Truss or Frame Manufacture  Release 1 | FWP30920 Certificate III in Timber Truss or Frame Manufacture  Release 2 | Updated unit codes | Equivalent |
| FWP31019 Certificate III in Saw Technology | FWP31021 Certificate III in Saw Technology | Updated imported and native unit codes; New qualification code | Equivalent |
| FWP31119 Certificate III in Wood Machining | FWP31121 Certificate III in Wood Machining | Updated imported and native unit codes; New qualification code | Equivalent |
| FWP31220 Certificate III in Timber Systems Design  Release 1 | FWP31220 Certificate III in Timber Systems Design  Release 2 | Updated unit codes | Equivalent |
| FWP40116 Certificate IV in Forest Operations | FWP40121 Certificate IV in Forest Operations | Revised packaging rules to better reflect outcomes; Total number of units reduced by 2 units; Core units revised and decreased by 3 units; Revised the structure (groups) of the elective units; Added new units and revised existing units | Not equivalent |
| FWP40420 Certificate IV in Timber Systems Design  Release 1 | FWP40420 Certificate IV in Timber Systems Design  Release 2 | Updated unit codes | Equivalent |
| FWP50116 Diploma of Forest and Forest Products | FWP50121 Diploma of Forest Operations | Title changed; Revised packaging rules and created specialisations to better reflect outcomes; Total number of units reduced by 3 units; Removed core unit requirements; Revised the structure (groups) of the elective units; Revised the structure (groups) of the elective units; Added new units and revised existing units | Not equivalent |
| FWP60116 Advanced Diploma of Forest Industry Sustainability | Not applicable | Deleted | Deleted |

Skill sets

*Mapping of skill sets from FWP Forest and Wood Products Training Package*

*Version 6.3 to Version 7.0*

| Code and title (Version 6.3) | Code and title (Version 7.0) | Comments | Equivalence statement |
| --- | --- | --- | --- |
| FWPSS00016 Skill set for a mechanical processor operator | FWPSS00048 Mechanical Processor Operator Skill Set | Removed first aid; Updated to reflect the new unit codes from FWP Forest and Wood Products Training Package V7.0 | Equivalent |
| FWPSS00017 Skill set for a native forest operator | FWPSS00049 Native Forest Operator Skill Set | Updated to reflect the new unit codes from FWP Forest and Wood Products Training Package V7.0 | Equivalent |
| FWPSS00018 Skill set for a plantation forest operator | FWPSS00050 Plantation Forest Operator Skill Set | Updated to reflect the new unit codes from FWP Forest and Wood Products Training Package V7.0 | Equivalent |
| FWPSS00022 Skill set for fire salvage operations | FWPSS00051 Fire Salvage Operator Skill Set | Updated to reflect the new unit codes from FWP Forest and Wood Products Training Package V7.0 | Equivalent |
| FWPSS00023 Skill set for off road four wheel drive operations | FWPSS00052 Off Road Four Wheel Drive Operator Skill Set | Updated to reflect the new unit codes from FWP Forest and Wood Products Training Package V7.0 | Equivalent |
| FWPSS00024 Skill set for soil and water protection (roading) | FWPSS00053 Soil and Water Protection (Roading) Skill Set | Updated to reflect the new unit codes from FWP Forest and Wood Products Training Package V7.0 | Equivalent |
| FWPSS00026 Skill set for a forestry log truck driver | FWPSS00054 Log Truck Driver Skill Set | Updated to reflect the new unit codes from FWP Forest and Wood Products Training Package V7.0 | Equivalent |
| FWPSS00027 Skill set for a forestry produce truck driver | FWPSS00055 Forestry Produce Truck Driver Skill Set | Updated to reflect the new unit codes from FWP Forest and Wood Products Training Package V7.0 | Equivalent |
| FWPSS00032 Skill set for a crawler tractor operator | FWPSS00056 Crawler Tractor Operator Skill Set | Removed first aid; Updated to reflect the new unit codes from FWP Forest and Wood Products Training Package V7.0 | Equivalent |
| FWPSS00033 Skill set for a feller buncher operator | FWPSS00057 Feller Buncher Operator Skill Set | Removed first aid; Updated to reflect the new unit codes from FWP Forest and Wood Products Training Package V7.0 | Equivalent |
| FWPSS00034 Skill set for a forwarder operator | FWPSS00058 Forwarder Operator Skill Set | Removed first aid; Updated to reflect the new unit codes from FWP Forest and Wood Products Training Package V7.0 | Equivalent |
| FWPSS00035 Skill set for a loader operator | FWPSS00059 Loader Operator Skill Set | Removed first aid; Updated to reflect the new unit codes from FWP Forest and Wood Products Training Package V7.0 | Equivalent |
| FWPSS00036 Skill set for a single grip harvester operator | FWPSS00060 Single Grip Harvester Operator Skill Set | Removed first aid; Updated to reflect the new unit codes from FWP Forest and Wood Products Training Package V7.0 | Equivalent |
| FWPSS00037 Skill set for a skidder operator | FWPSS00061 Skidder Operator Skill Set | Removed first aid; Updated to reflect the new unit codes from FWP Forest and Wood Products Training Package V7.0 | Equivalent |
| FWPSS00038 Skill set for an excavator with log grapple operator | FWPSS00062 Excavator With Log Grapple Operator Skill Set | Removed first aid; Updated to reflect the new unit codes from FWP Forest and Wood Products Training Package V7.0 | Equivalent |
| Not applicable | FWPSS00063 Entry into Forestry Roles Skill Set | This skill set has been created to address a specific job task required by industry | Newly created |
| Not applicable | FWPSS00064 Plantation Establishment Worker Skill Set | This skill set has been created to address a specific job task required by industry | Newly created |
| Not applicable | FWPSS00065 Silviculture Worker Skill Set | This skill set has been created to address a specific job task required by industry | Newly created |
| Not applicable | FWPSS00066 Excavator Operator Skill Set | This skill set has been created to address a specific job task required by industry | Newly created |
| Not applicable | FWPSS00067 Skid Steer Loader Operator (Forestry) Skill Set | This skill set has been created to address a specific job task required by industry | Newly created |
| FWPSS00001 Skill set for forest and wood product innovation for leaders | Not applicable | Deleted | Deleted |
| FWPSS00002 Skill set for forest and wood product innovation for managers | Not applicable | Deleted | Deleted |
| FWPSS00003 Skill set for supporting forest and wood products innovation | Not applicable | Deleted | Deleted |
| FWPSS00004 Skill set for managing change in the forest and wood products industry | Not applicable | Deleted | Deleted |
| FWPSS00005 Skill set for forest and wood products industry stakeholder engagement | Not applicable | Deleted | Deleted |
| FWPSS00006 Skill set for supporting workplace engagement in the forest and wood products industry | Not applicable | Deleted | Deleted |
| FWPSS00007 Skill set for leading business development in the forest and wood products industry | Not applicable | Deleted | Deleted |
| FWPSS00008 Skill set for managing business development in the forest and wood products industry | Not applicable | Deleted | Deleted |
| FWPSS00009 Skill set for supporting business development in the forest and wood products industry | Not applicable | Deleted | Deleted |
| FWPSS00025 Skill set for carbon accounting | Not applicable | Deleted | Deleted |

Units of competency

*Mapping of units of competency from FWP Forest and Wood Products Training Package*

*Version 6.3 to Version 7.0*

| Code and title (Version 6.3) | Code and title (Version 7.0) | Comments | Equivalence statement |
| --- | --- | --- | --- |
| FWPCOR2201 Work effectively in the forest and forest products industry | FWPCOR2206 Work effectively in the forest and wood products industry | Updated title; Minor change to Application Statement; Reworded Elements, Performance Criteria, Foundation Skills and Assessment Conditions; Revised Performance and Knowledge Evidence to align with Elements and Performance Criteria | Equivalent |
| FWPCOR2202 Communicate and interact effectively in the workplace | FWPCOR2208 Communicate and interact effectively in the forest and wood products industry | Updated unit title; Updated and added new Elements and Performance Criteria; Updated and added new Knowledge and Performance Evidence; Reworded Foundation Skills and Assessment Conditions | Not equivalent |
| FWPCOR2203 Follow environmental care procedures | FWPCOR2209 Follow environmental protection procedures in forest and wood products operations | Updated unit title; Minor changes to Application Statement, Performance Criteria, Performance Evidence and Knowledge Evidence; Updated Foundation Skills; Reworded Assessment Conditions | Equivalent |
| FWPCOR2205 Follow WHS policies and procedures | FWPCOR2210 Follow workplace health and safety policies and procedures in forest and wood products operations | Updated unit title; Minor editorial changes to Performance Criteria and Knowledge Evidence; New Performance Criteria for alignment with Knowledge Evidence; New description provided for Foundation Skills; Redrafted Assessment Conditions | Equivalent |
| FWPCOR3201 Implement safety, health and environment policies and procedures | FWPCOR3205 Apply safety, health and environmental requirements in forest and wood products operations | Updated unit title; Updated Elements, Performance Criteria Performance Evidence and Assessment Conditions to meet industry requirements | Equivalent |
| FWPCOR4201 Monitor safety, health and environment policies and procedures | FWPCOR4204 Monitor safety, health and environmental requirements in forest and wood products operations | Updated unit title; Updated Elements, Performance Criteria, Foundation Skills, Performance Evidence and Knowledge Evidence to meet industry requirements; Updated Assessment Conditions | Equivalent |
| FWPCOR4202 Monitor and review forestry operations | FWPCOR4205 Monitor and improve forestry operations | New Title; Minor changes to Elements and Performance Criteria; Revised Performance Evidence; Minor changes to Knowledge Evidence; Revised Assessment Conditions | Equivalent |
| FWPCOR2207 Maintain quality and product care | FWPCOT2264 Follow quality and product care procedures in forest and wood products operations | Updated unit title; Reworded Elements and Performance Criteria; Reworded Foundation Skills; Minor changes to Performance and Knowledge Evidence; Updated Assessment Conditions | Equivalent |
| FWPCOT2233 Navigate in forest areas | FWPCOT2265 Navigate in forest areas | Updated Application; Minor updates to Performance Criteria; Minor wording changes to Performance and Knowledge Evidence; Updated Foundation Skills and Assessment Conditions | Equivalent |
| FWPFGM2207 Undertake brushcutting operations | FWPCOT2266 Operate brush cutter | Updated title; Aligned Performance Criteria with Performance and Knowledge Evidence; Minor wording changes to Performance and Knowledge Evidence; Updated Foundation Skills and Assessment Conditions | Equivalent |
| FWPFGM3213 Fall trees manually (advanced)  Release 1 | FWPFGM3217 Fell trees manually (advanced)  Release 2 | Corrected formatting error in Application | Equivalent |
| FWPHAR2205 Conduct mobile splitting operations | FWPCOT2267 Operate mobile hydraulic log splitter | Update title; Updated Elements and Performance Criteria; Reworded Performance Evidence; Updated Knowledge Evidence; Updated Foundation Skills and Assessment Conditions | Not equivalent |
| FWPCOR3202 Conduct quality and product care procedures | FWPCOT3322 Apply quality and product care procedures in forest and wood products operations | Updated unit title; Reworded Elements, Performance Criteria and Foundation Skills; Minor changes to Knowledge Evidence; Updated Assessment Conditions | Equivalent |
| FWPCOR3204 Visually assess materials | FWPCOT3323 Assess wood materials visually | Updated unit title and Application; Minor updates to Elements, Performance Criteria and Knowledge Evidence; Updated Performance Evidence, Foundation Skills and Assessment Conditions | Equivalent |
| FWPCOT3257 Follow cultural heritage requirements | FWPCOT3324 Apply cultural heritage protection requirements in forest operations | Changed title; Reworded Elements and Performance Criteria; Updated Knowledge and Performance Evidence; Reworded Foundation Skills; Updated Assessment Conditions | Equivalent |
| FWPCOT3259 Operate a four wheel drive on unsealed roads | FWPCOT3325 Operate four wheel drive vehicle on unsealed roads | Updated unit title; Updated Elements and Performance Criteria; Updated and added new Knowledge and Performance Evidence; Reworded Foundation Skills; Updated Assessment Conditions | Not equivalent |
| FWPCOT3260 Recover four wheel drive vehicles | FWPCOT3326 Recover four wheel drive vehicle | Updated Elements and Performance Criteria; Updated and added new Knowledge and Performance Evidence; Reworded Foundation Skills; Updated Assessment Conditions | Not equivalent |
| FWPCOT3263 Maintain and contribute to energy efficiency | FWPCOT3327 Contribute to energy efficiency in the forest and wood products industry | Updated unit title; Revised Application Statement; Revised Elements and Performance Criteria; Updated Foundation Skills; Updated Performance Evidence, Knowledge Evidence and Assessment Conditions | Equivalent |
| FWPFGM3214 Operate a four wheel drive vehicle in a towing situation | FWPCOT3328 Operate four wheel drive vehicle in a towing situation | Reworded Application Statement; Updated Elements and Performance Criteria; Updated and added new Knowledge and Performance Evidence; Reworded Foundation Skills; Updated Assessment Conditions | Not equivalent |
| FWPFGM3215 Perform complex four wheel drive operations | FWPCOT3329 Perform complex four wheel drive operations | Updated Elements and Performance Criteria; Updated and added new Knowledge and Performance Evidence; Reworded Foundation Skills; Updated Assessment Conditions | Not equivalent |
| FWPHAR4201 Apply tree jacking techniques | FWPCOT3330 Apply tree jacking techniques in felling trees | Revised Title; Updated Application Statement; Minor changes to elements and Performance Criteria; Updated Performance Evidence; Minor change to Knowledge Evidence; Updates Assessment Conditions | Equivalent |
| FWPCOT3234 Cut material using CNC sizing machines | FWPCOT3331 Cut material using CNC sizing machines | Updated Performance Evidence | Equivalent |
| FWPCOT5201 Implement sustainable forestry practices | FWPCOT4212 Implement environmental management practices to a forestry operation site | New Title; Revised and added new Elements and Performance Criteria; Revised Performance and Knowledge Evidence; Revised Assessment Conditions | Not equivalent |
| FWPCOR4203 Monitor quality and product care procedures | FWPCOT4213 Monitor and manage product and service quality in the forest and wood products industry | Updated unit title; Minor changes to Application and Performance Criteria; Revised Performance and Knowledge Evidence; Revised Assessment Conditions | Equivalent |
| FWPFGM4208 Plan a quarry | FWPCOT4214 Plan for and coordinate quarry operations | New title; Updated Elements and Performance Criteria; Revised Performance and Knowledge Evidence; Revised Assessment Conditions | Not equivalent |
| FWPFGM5208 Manage road construction and maintenance | FWPCOT4215 Plan for and coordinate road construction and maintenance | Updated unit title; Updated Application, Performance Criteria, Performance Evidence and Knowledge Evidence; Updated Assessment Conditions | Not equivalent |
| FWPHAR4203 Design log landings and snig tracks | FWPCOT4216 Plan for and coordinate construction of log landings and snig tracks | Revised Title; Updated Elements and Performance Criteria; Revised Foundation Skills; Revised Performance Evidence; Revised Assessment Conditions | Not equivalent |
| FWPCOT6207 Develop forest management systems and processes | FWPCOT5210 Contribute to establishment and implementation of forest management systems | New title; Revised Elements and Performance Criteria; Revised Performance and Knowledge Evidence; Revised Assessment Conditions | Not equivalent |
| FWPCOT5206 Implement forestry chain of custody certification system | FWPCOT5211 Implement forest management certification scheme | Redesigned unit that includes content from FWPCOT5206 Implement forestry chain of custody certification system and FWPCOT6202 Develop and manage a forestry chain of custody certification process | Not equivalent |
| FWPCOT6202 Develop and manage a forestry chain of custody certification process | FWPCOT5211 Implement forest management certification scheme | Redesigned unit that includes content from FWPCOT5206 Implement forestry chain of custody certification system and FWPCOT6202 Develop and manage a forestry chain of custody certification process | Not equivalent |
| FWPCOT4208 Implement workplace sustainability practices | FWPCOT5212 Implement workplace sustainability practices in the forest and wood products industry | Redesigned unit that includes content from FWPCOT4208 Implement workplace sustainability practices, FWPCOT5207 Implement sustainability in the workplace and FWPCOR6201 Manage sustainability in the workplace | Not equivalent |
| FWPCOT5207 Implement sustainability in the workplace | FWPCOT5212 Implement workplace sustainability practices in the forest and wood products industry | Redesigned unit that includes content from FWPCOT4208 Implement workplace sustainability practices, FWPCOT5207 Implement sustainability in the workplace and FWPCOR6201 Manage sustainability in the workplace | Not equivalent |
| FWPCOR6201 Manage sustainability in the workplace | FWPCOT5212 Implement workplace sustainability practices in the forest and wood products industry | Redesigned unit that includes content from FWPCOT4208 Implement workplace sustainability practices, FWPCOT5207 Implement sustainability in the workplace and FWPCOR6201 Manage sustainability in the workplace | Not equivalent |
| FWPCOT5208 Build and maintain community relationships | FWPCOT5213 Contribute to and implement a community engagement plan | Redesigned unit that includes content from FWPCOT5208 Build and maintain community relationships and FWPCOT6201 Manage community engagement | Not equivalent |
| FWPCOT6201 Manage community engagement | FWPCOT5213 Contribute to and implement a community engagement plan | Redesigned unit that includes content from FWPCOT5208 Build and maintain community relationships and FWPCOT6201 Manage community engagement | Not equivalent |
| FWPCOT5202 Manage forestry information and interpretations programs | FWPCOT5214 Communicate forestry and forest science with stakeholders and the community | Redesigned unit that includes content from FWPCOT5202 Manage forestry information and interpretations programs and FWPFGM5217 Promote plantations as a sustainable form of land use | Not equivalent |
| FWPFGM5217 Promote plantations as a sustainable form of land use | FWPCOT5214 Communicate forestry and forest science with stakeholders and the community | Redesigned unit that includes content from FWPCOT5202 Manage forestry information and interpretations programs and FWPFGM5217 Promote plantations as a sustainable form of land use | Not equivalent |
| FWPCOT8101 Lead forest and wood products industry innovative thinking and practice | FWPCOT5215 Apply innovative thinking to support forestry best practice | Redesigned unit that includes content from FWPCOT8101 Lead forest and wood products industry innovative thinking and practice, FWPCOT8102 Initiate and lead a forest and wood products industry innovation, FWPCOT6208 Manage innovative thinking and practice in the forest and wood products industry and FWPCOT6209 Manage forest and wood products industry research | Not equivalent |
| FWPCOT6208 Manage innovative thinking and practice in the forest and wood products industry | FWPCOT5215 Apply innovative thinking to support forestry best practice | Redesigned unit that includes content from FWPCOT8101 Lead forest and wood products industry innovative thinking and practice, FWPCOT8102 Initiate and lead a forest and wood products industry innovation, FWPCOT6208 Manage innovative thinking and practice in the forest and wood products industry and FWPCOT6209 Manage forest and wood products industry research | Not equivalent |
| FWPCOT6209 Manage forest and wood products industry research | FWPCOT5215 Apply innovative thinking to support forestry best practice | Redesigned unit that includes content from FWPCOT8101 Lead forest and wood products industry innovative thinking and practice, FWPCOT8102 Initiate and lead a forest and wood products industry innovation, FWPCOT6208 Manage innovative thinking and practice in the forest and wood products industry and FWPCOT6209 Manage forest and wood products industry research | Not equivalent |
| FWPCOT8102 Initiate and lead a forest and wood products industry innovation | FWPCOT5215 Apply innovative thinking to support forestry best practice | Redesigned unit that includes content from FWPCOT8101 Lead forest and wood products industry innovative thinking and practice, FWPCOT8102 Initiate and lead a forest and wood products industry innovation, FWPCOT6208 Manage innovative thinking and practice in the forest and wood products industry and FWPCOT6209 Manage forest and wood products industry research | Not equivalent |
| FWPCOR2204 Follow fire prevention procedures | FWPFIR2001 Follow fire prevention procedures | Updated Application; Added new PC and Knowledge Evidence; Minor wording changes to Elements, Performance Criteria and Knowledge Evidence; Reworded Performance Evidence; Updated Foundation Skills and Assessment Conditions | Not equivalent |
| FWPFGM2211 Detect fires | FWPFIR2002 Detect fire in a native forest or plantation | New title; Updated Application; Reworded Performance Criteria; Updated Performance Knowledge Evidence; Updated Foundation Skills and Assessment Conditions | Equivalent |
| FWPCOR3203 Evaluate fire potential and prevention | FWPFIR3001 Assess fire risk | Reworded title; Updated Application; Updated Elements and Performance Criteria; Updated Performance Evidence and Knowledge Evidence; Updated Foundation Skills and Assessment Conditions | Not equivalent |
| FWPFGM4203 Design plantations | FWPFOM5001 Contribute to and implement a forest establishment plan | Revised Title; Revised Elements and Performance Criteria; Revised Foundation Skills; Revised Performance and Knowledge Evidence; Revised Conditions of Assessment | Not equivalent |
| FWPFGM5208 Manage road construction and maintenance | FWPFOM5002 Contribute to and implement a forest roading operational plan | Updated unit title; Updated Application, Performance Criteria, Performance Evidence and Knowledge Evidence; Updated Assessment Conditions | Not equivalent |
| FWPHAR5201 Design harvest plans | FWPFOM5003 Contribute to and implement a forest harvesting plan | Redesigned unit that includes content from FWPHAR5201 Design harvest plans and FWPFGM5216 Mange coupe planning | Not equivalent |
| FWPFGM5216 Manage coupe planning | FWPFOM5003 Contribute to and implement a forest harvesting plan | Redesigned unit that includes content from FWPHAR5201 Design harvest plans and FWPFGM5216 Mange coupe planning | Not equivalent |
| FWPFGM5214 Develop a native forest regeneration plan | FWPFOM5004 Contribute to and implement a forest regeneration plan | Revised title; New elements and Performance Criteria; Revised Performance and Knowledge Evidence; Revised Assessment Conditions | Not equivalent |
| FWPCOT5205 Develop biohazard contingency plan | FWPFOM5005 Contribute to and implement a biohazard contingency plan | Revised title; New Elements and Performance Criteria; Revised Performance and Knowledge Evidence; Revised Assessment Conditions | Not equivalent |
| FWPCOR6202 Implement practices to maximise value from wood residues | FWPFOM5006 Implement practices to maximise value from wood residues | Minor edits to Elements and Performance Criteria; Updated Performance Evidence, Knowledge Evidence and Conditions of Assessment | Equivalent |
| FWPFGM4209 Interpret and use aerial photographs for forest management | FWPFRM5001 Interpret and use image data in forestry planning and management | Updated unit title; Updated Application, Performance Criteria, Performance Evidence and Knowledge Evidence; Updated Assessment Conditions | Not equivalent |
| FWPFGM5219 Undertake carbon stock sampling of forest and plantations | FWPFRM5002 Source information on the contribution of forestry to carbon reduction strategies | New title; Revised Application Statement; Revised Elements and Performance Criteria; Revised Performance and Knowledge Evidence; Revised Assessment Conditions | Not equivalent |
| FWPFGM5201 Plan and manage an inventory program | FWPFRM5003 Contribute to and implement a forest inventory program | Redesigned unit that includes content from FWPFGM5201 Plan and manage an inventory program and FWPFGM6203 Manage sustainable tree inventory | Not equivalent |
| FWPFGM6203 Manage sustainable tree inventory | FWPFRM5003 Contribute to and implement a forest inventory program | Redesigned unit that includes content from FWPFGM5201 Plan and manage an inventory program and FWPFGM6203 Manage sustainable tree inventory | Not equivalent |
| FWPHAR3210 Conduct mechanical processor operations | FWPHAR3234 Conduct mechanical processor operations | Updated Applications Statement; Minor updates to Performance Criteria; Reworded Foundation Skills and Assessment Conditions | Equivalent |
| FWPHAR3213 Conduct mechanically assisted tree falling operations | FWPHAR3235 Conduct mechanically assisted tree falling operations | Minor updates to Performance Criteria; Updated Knowledge Evidence for alignment; Updated Foundation Skills and Assessment Conditions | Equivalent |
| FWPCOT5209 Manage tree harvesting to minimise environmental impact | FWPHAR4206 Implement environmental management practices in timber harvesting operations | New title; Added new Elements and Performance Criteria; Added new Performance and Knowledge Evidence; Revised Assessment Conditions | Not equivalent |
| FWPFGM4206 Conduct a wood volume and yield assessment | FWPHAR4207 Conduct a wood volume and yield assessment | Minor changes to Elements, Performance Criteria and Knowledge Evidence; Revised Performance Evidence and Assessment Conditions | Equivalent |
| FWPHAR4202 Plan and coordinate fire salvage operations | FWPHAR4208 Plan for and coordinate fire salvage operations | Revised Title; Minor changes to Elements and Performance Criteria; Updated Foundation Skills; Minor changes to Performance and Knowledge Evidence; Revised Assessment Conditions | Equivalent |
| FWPHAR4205 Implement harvesting plan | FWPHAR4209 Plan for and coordinate forest harvesting operations | Revised Title; Revised Elements and Performance Criteria; Revised Performance and Knowledge Evidence; Revised Assessment Conditions | Not equivalent |
| FWPHAR4202 Coordinate log recovery (hook tender) | FWPHAR4210 Plan for and coordinate log recovery (hook tender) | New title; Updated Application Statement; Minor revisions to Elements, Performance Criteria and Knowledge Evidence; Simplified Performance Evidence; Updated Assessment Conditions | Equivalent |
| FWPFGM2201 Collect seed | FWPNSY2001 Collect tree seeds | Reworded title; Minor change to Application Statement; Reworded Elements and Performance Criteria; Minor update to Knowledge Evidence; Updated Foundation Skills and Assessment Conditions | Equivalent |
| FWPFGM2209 Cut, sort and set cuttings | FWPNSY2002 Cut, sort and set cuttings | Updated Application Statement; Reworded Elements and Performance Criteria; Minor updates to Performance and Knowledge Evidence; Updated Foundation Skills and Assessment Conditions | Equivalent |
| FWPFGM2212 Graft cuttings | FWPNSY3001 Graft nursery stock for planting in seed orchard | Revised unit title; Updated all unit components | Not equivalent |
| FWPFGM2213 Process seed | FWPNSY3002 Extract, clean, store and despatch tree seeds | Redesigned unit that includes content from FWPFGM2213 Process seed, FWPFGM3201 Manage seed collection and FWPFGM3202 Extract seed | Not equivalent |
| FWPFGM3201 Manage seed collection | FWPNSY3002 Extract, clean, store and despatch tree seeds | Redesigned unit that includes content from FWPFGM2213 Process seed, FWPFGM3201 Manage seed collection and FWPFGM3202 Extract seed | Not equivalent |
| FWPFGM3202 Extract seed | FWPNSY3002 Extract, clean, store and despatch tree seeds | Redesigned unit that includes content from FWPFGM2213 Process seed, FWPFGM3201 Manage seed collection and FWPFGM3202 Extract seed | Not equivalent |
| FWPCOT2220 Select trees for tending operations | FWPSIL2001 Select and mark trees for tending operations | Reworded title; Updated Application Statement; Reworded Element and Performance Criteria; Updated Foundation Skills and Assessment Conditions | Equivalent |
| FWPFGM2203 Plant trees by hand | FWPSIL2002 Plant trees by hand | Updated Application Statement; Reworded Element and Performance Criteria; Updated Foundation Skills and Assessment Conditions | Equivalent |
| FWPFGM2205 Prune trees | FWPSIL2003 Prune trees | Updated Application Statement; Reworded Element and Performance Criteria; Minor changes to Performance and Knowledge Evidence; Updated Foundation Skills and Assessment Conditions | Equivalent |
| FWPFGM2206 Collect data or samples for assessment | FWPSIL2004 Collect forest data or samples for assessment and analysis | Updated title; Reworded Elements and Performance Evidence; Updated and added new Performance Criteria; Minor updates to Knowledge Evidence; Updated Foundation Skills and Assessment Conditions | Not equivalent |
| FWPFGM2215 Measure trees | FWPSIL2005 Measure trees | Updated Application Statement; Reworded Elements; Updated and added new Performance Criteria; Updated Knowledge and Performance Evidence; Updated Foundation Skills and Assessment Conditions | Not equivalent |
| FWPCOT3255 Apply silvicultural principles | FWPSIL3001 Apply sustainable silviculture treatments | Reworded title; Updated Application Statement; Reworded Elements and Performance Criteria; Minor changes to Performance Evidence; Updated Knowledge Evidence; Updated Foundation Skills and Assessment Conditions | Not equivalent |
| FWPFGM2204 Plant trees mechanically | FWPSIL3002 Plant trees mechanically | Updated Application Statement; Reworded Element and Performance Criteria; Updated Foundation Skills and Assessment Conditions | Equivalent |
| FWPHAR3233 Use mechanised equipment for forestry site preparation on steep slope | FWPSIL3003 Use mechanised equipment for forestry site preparation | New title; Minor edits to Performance Criteria; New Performance Evidence and added item in Knowledge Evidence | Not equivalent |
| FWPFGM2202 Prepare seedbed | FWPSIL4001 Plan for and coordinate forest site preparation operations | New title; Updated Application Statement; Updated Elements and added new Performance Criteria; Updated and added new Knowledge and Performance Evidence; Updated Foundation Skills; Updated Assessment Conditions | Not equivalent |
| FWPFGM3206 Plan and implement non-commercial thinning operations | FWPSIL4002 Plan for and coordinate thinning operations in a native forest or plantation | Reworded Title; Updated Application Statement; Reworded Elements; Updated Performance Criteria, Performance Evidence and Knowledge evidence; Updated Foundation Skills and Assessment Conditions | Equivalent |
| FWPFGM3207 Coordinate stem improvement | FWPSIL4003 Plan for and coordinate stem improvement operations | Reworded Title; Updated Application Statement; Reworded Elements; Updated and added new Performance Criteria; Updated and added new Knowledge and Performance Evidence; Updated Foundation Skills; Updated Assessment Conditions | Not equivalent |
| FWPFGM4201 Implement a forest establishment plan | FWPSIL4004 Plan for and coordinate forest establishment operations | New Title; Revised Elements and Performance Criteria; New description provided for Foundation Skills; Revised Performance and Knowledge Evidence; Revised Assessment Conditions in line with requirements of Standards for Training Packages | Not equivalent |
| FWPFGM5211 Coordinate stand nutrition | FWPSIL4005 Plan for and coordinate a stand health and nutrition program | Redesigned unit that includes content from FWPFGM5211 Coordinate stand nutrition and FWPFGM4202 Manage stand health | Not equivalent |
| FWPFGM4204 Conduct a pests and diseases assessment | FWPSIL4006 Plan for and coordinate a pests and diseases assessment | New title; Revised Elements and Performance Criteria; Revised Performance and Knowledge Evidence; Revised Assessment Conditions | Not equivalent |
| FWPFGM4205 Monitor regeneration rates | FWPSIL4007 Plan for and coordinate a regeneration rate assessment | New title; Revised Elements and Performance Criteria; Revised Performance and Knowledge Evidence; Revised Assessment Conditions | Not equivalent |
| FWPFGM4207 Conduct a forest site assessment | FWPSIL4008 Plan for and coordinate a forest site assessment | New title; Revised Application statement; Updated Elements and Performance Criteria; Revised Performance and Knowledge Evidence; Revised Assessment Conditions | Not equivalent |
| FWPFGM5210 Manage tending operations in a native forest | FWPSIL4009 Plan for and coordinate tending operations in a native forest or plantation | Redesigned unit that includes content from FWPFGM5210 Manage tending operations in a native forest and FWPFGM5213 Coordinate plantation tending operations | Not equivalent |
| FWPFGM5213 Coordinate plantation tending operations | FWPSIL4009 Plan for and coordinate tending operations in a native forest or plantation | Redesigned unit that includes content from FWPFGM5210 Manage tending operations in a native forest and FWPFGM5213 Coordinate plantation tending operations | Not equivalent |
| Not applicable | FWPCOR2211 Develop knowledge of the forest and wood products industry | The unit has been created to address a skill or task required by industry that is not covered by an existing unit | Newly created |
| Not applicable | FWPHAR2210 Operate a forest machine simulator in a virtual environment | The unit has been created to address a skill or task required by industry that is not covered by an existing unit | Newly created |
| Not applicable | FWPNSY2003 Follow quality procedures in forest nursery production | The unit has been created to address a skill or task required by industry that is not covered by an existing unit | Newly created |
| Not applicable | FWPNSY2004 Prick out and transplant tree seedlings | The unit has been created to address a skill or task required by industry that is not covered by an existing unit | Newly created |
| Not applicable | FWPNSY2005 Apply tree seed treatment | The unit has been created to address a skill or task required by industry that is not covered by an existing unit | Newly created |
| Not applicable | FWPNSY3003 Apply knowledge of tree stock growing in a forest nursery | The unit has been created to address a skill or task required by industry that is not covered by an existing unit | Newly created |
| Not applicable | FWPNSY3004 Identify, evaluate and mark quality seed trees | The unit has been created to address a skill or task required by industry that is not covered by an existing unit | Newly created |
| Not applicable | FWPNSY3005 Maintain seed orchard | The unit has been created to address a skill or task required by industry that is not covered by an existing unit | Newly created |
| Not applicable | FWPNSY3006 Manage mother plants | The unit has been created to address a skill or task required by industry that is not covered by an existing unit | Newly created |
| Not applicable | FWPNSY3007 Operate automated topping system as part of tree production nursery operations | The unit has been created to address a skill or task required by industry that is not covered by an existing unit | Newly created |
| Not applicable | FWPNSY3008 Operate automated seed sowing line for containerised forest seedling production | The unit has been created to address a skill or task required by industry that is not covered by an existing unit | Newly created |
| Not applicable | FWPCOT3321 Apply situational awareness and a safety mindset in operational forestry roles | The unit has been created to address a skill or task required by industry that is not covered by an existing unit | Newly created |
| Not applicable | FWPCOT4217 Apply a safety mindset in forestry operations | The unit has been created to address a skill or task required by industry that is not covered by an existing unit | Newly created |
| Not applicable | FWPCOT4218 Manage business operations of a forestry contractor business | The unit has been created to address a skill or task required by industry that is not covered by an existing unit | Newly created |
| Not applicable | FWPCOT4219 Manage people practices in a forestry contractor business | The unit has been created to address a skill or task required by industry that is not covered by an existing unit | Newly created |
| Not applicable | FWPCOT4220 Plan for and coordinate log loading and haulage operations | The unit has been created to address a skill or task required by industry that is not covered by an existing unit | Newly created |
| Not applicable | FWPFOM5007 Contribute to and implement a silviculture regime for a plantation | The unit has been created to address a skill or task required by industry that is not covered by an existing unit | Newly created |
| Not applicable | FWPFOM5008 Contribute to and implement a silviculture regime for native forest | The unit has been created to address a skill or task required by industry that is not covered by an existing unit | Newly created |
| Not applicable | FWPFOM5009 Contribute to management and monitoring of forestry supply chains | The unit has been created to address a skill or task required by industry that is not covered by an existing unit | Newly created |
| Not applicable | FWPFOM5010 Apply principles of forest science to optimise forest management practices | The unit has been created to address a skill or task required by industry that is not covered by an existing unit | Newly created |
| Not applicable | FWPFOM5011 Assist with calculating costs and production targets for forestry operations | The unit has been created to address a skill or task required by industry that is not covered by an existing unit | Newly created |
| Not applicable | FWPFRM5004 Contribute to the planning and conduct of forest valuation | The unit has been created to address a skill or task required by industry that is not covered by an existing unit | Newly created |
| Not applicable | FWPFRM5005 Contribute to selection and application of forest growth models | The unit has been created to address a skill or task required by industry that is not covered by an existing unit | Newly created |
| Not applicable | FWPFRM5006 Analyse ecology of commercial native forests and plantations | The unit has been created to address a skill or task required by industry that is not covered by an existing unit | Newly created |
| Not applicable | FWPFRM5007 Process and interpret harvester and forwarder optimisation data | The unit has been created to address a skill or task required by industry that is not covered by an existing unit | Newly created |
| Not applicable | FWPFRM5008 Create digital forestry operational map | The unit has been created to address a skill or task required by industry that is not covered by an existing unit | Newly created |
| Not applicable | FWPFRM5009 Create cutting instruction files for forestry harvesters | The unit has been created to address a skill or task required by industry that is not covered by an existing unit | Newly created |
| Not applicable | FWPFRM5010 Plan unmanned aerial vehicle (UAV) collection of forestry data | The unit has been created to address a skill or task required by industry that is not covered by an existing unit | Newly created |
| Not applicable | FWPFRM5011 Quality assure forestry data acquisition by unmanned aerial vehicle (UAV) | The unit has been created to address a skill or task required by industry that is not covered by an existing unit | Newly created |
| FWPCOT3222 Present forestry information and interpretations programs | Not applicable | Deleted | Deleted |
| FWPCOT5203 Manage installation and commissioning of equipment | Not applicable | Deleted | Deleted |
| FWPCOT5204 Organise enterprise maintenance programs | Not applicable | Deleted | Deleted |
| FWPCOT6204 Use carbon accounting to estimate emissions | Not applicable | Deleted | Deleted |
| FWPCOT6205 Prepare an enterprise carbon management report | Not applicable | Deleted | Deleted |
| FWPFGM2214 Maintain visitor sites | Not applicable | Deleted | Deleted |
| FWPFGM3203 Conduct an instrument survey | Not applicable | Deleted | Deleted |
| FWPFGM3210 Patrol forest | Not applicable | Deleted | Deleted |
| FWPFGM3211 Manage coppice stems | Not applicable | Deleted | Deleted |
| FWPFGM4210 Prepare a tender | Not applicable | Deleted | Deleted |
| FWPFGM5212 Manage genetic resources | Not applicable | Deleted | Deleted |
| FWPFGM5215 Breed Trees | Not applicable | Deleted | Deleted |
| FWPFGM6201 Plan a biochar storage system for carbon capture and storage | Not applicable | Deleted | Deleted |

FWP Forest and Wood Products Training Package Version 6.2 to Version 6.3

Units of competency

*Mapping of units of competency from FWP Forest and Wood Products Training Package*

*Version 6.2 to Version 6.3*

| Code and title (Version 6.2) | Code and title (Version 6.3) | Comments | Equivalence statement |
| --- | --- | --- | --- |
| FWPCOT2239 Trim and cut felled trees  Release 1 | FWPCOT2256 Trim and cut felled trees  Release 2 | Minor change to Performance Evidence to correct an editorial error | Equivalent |

FWP Forest and Wood Products Training Package Version 6.1 to Version 6.2

Skill sets

*Mapping of skill sets from FWP Forest and Wood Products Training Package*

*Version 6.1 to Version 6.2*

| Code and title (Version 6.1) | Code and title (Version 6.2) | Comments | Equivalence statement |
| --- | --- | --- | --- |
| FWPSS00008 Skill set for managing business development in the forest and wood products industry Release 1 | FWPSS00008 Skill set for managing business development in the forest and wood products industry Release 2 | Updated to replace deleted BSB unit and reflect the new unit codes from FWP Forest and Wood Products Training Package V6.0 | Equivalent |
| FWPSS00014 Skill set for a heavy production mobile chipper operator | FWPSS00046 Infield Wood Chipping Machine Operator Skill Set (Flail and Wood Chipper with Crane) | Redesigned skill set to reflect the unit changes and the new unit codes from FWP Forest and Wood Products Training Package V6.0 | Not equivalent |
| FWPSS00014 Skill set for a heavy production mobile chipper operator | FWPSS00047 Infield Wood Chipping Machine Operator Skill Set (Flail and Wood Chipper Fed by a Mobile Machine) | Redesigned skill set to reflect the unit changes and the new unit codes from FWP Forest and Wood Products Training Package V6.0 | Not equivalent |
| FWPSS00017 Skill set for a native forest operator  Release 1 | FWPSS00017 Skill set for a native forest operator  Release 2 | Updated to reflect the new unit codes from FWP Forest and Wood Products Training Package V6.0 | Equivalent |
| FWPSS00018 Skill set for a plantation forest operator Release 1 | FWPSS00018 Skill set for a plantation forest operator Release 2 | Updated to reflect the new unit codes from FWP Forest and Wood Products Training Package V6.0 | Equivalent |
| FWPSS00022 Skill set for fire salvage operations  Release 1 | FWPSS00022 Skill set for fire salvage operations  Release 2 | Updated to reflect the new unit codes from FWP Forest and Wood Products Training Package V6.0 | Equivalent |
| FWPSS00024 Skill set for soil and water protection (roading) Release 1 | FWPSS00024 Skill set for soil and water protection (roading) Release 2 | Updated to reflect the new unit codes from FWP Forest and Wood Products Training Package V6.0 | Equivalent |
| FWPSS00026 Skill set for a forestry log truck driver Release 1 | FWPSS00026 Skill set for a forestry log truck driver Release 2 | Updated to reflect the new unit codes from FWP Forest | Equivalent |
| FWPSS00027 Skill set for a forestry produce truck driver Release 1 | FWPSS00027 Skill set for a forestry produce truck driver Release 2 | Updated to reflect the new unit codes from FWP Forest and Wood Products Training Package V6.0 | Equivalent |

FWP Forest and Wood Products Training Package Version 6.0 to Version 6.1

Qualifications

*Mapping of qualifications from FWP Forest and Wood Products Training Package*

*Version 6.0 to Version 6.1*

| Code and title (Version 6.0) | Code and title (Version 6.1) | Comments | Equivalence statement |
| --- | --- | --- | --- |
| FWP20316 Certificate II in Sawmilling and Processing  Release 4 | FWP20316 Certificate II in Sawmilling and Processing  Release 5 | Qualification updated to remove eleven elective units that have been deleted as part of meeting Skills Ministers’ priority of removing training products with low or no enrolments, as agreed by the AISC | Equivalent |
| FWP20416 Certificate II in Wood Panel Products | Not applicable | Qualification deleted as part of meeting Skills Ministers’ priority of removing training products with low or no enrolments, as agreed by the AISC | Deleted |
| FWP20516 Certificate II in Timber Manufactured Products  Release 3 | FWP20516 Certificate II in Timber Manufactured Products  Release 4 | Qualification updated to remove eight elective units that have been deleted as part of meeting Skills Ministers’ priority of removing training products with low or no enrolments, as agreed by the AISC | Equivalent |
| FWP30216 Certificate III in Harvesting and Haulage  Release 3 | FWP30216 Certificate III in Harvesting and Haulage  Release 4 | Qualification updated to remove one elective unit that has been deleted as part of meeting Skills Ministers’ priority of removing training products with low or no enrolments, as agreed by the AISC | Equivalent |
| FWP30316 Certificate III in Sawmilling and Processing  Release 4 | FWP30316 Certificate III in Sawmilling and Processing  Release 5 | Qualification updated to remove seven elective units that have been deleted as part of meeting Skills Ministers’ priority of removing training products with low or no enrolments, as agreed by the AISC | Equivalent |
| FWP30416 Certificate III in Wood Panel Products | Not applicable | Qualification deleted as part of meeting Skills Ministers’ priority of removing training products with low or no enrolments, as agreed by the AISC | Deleted |
| FWP30516 Certificate III in Timber Manufactured Products  Release 4 | FWP30516 Certificate III in Timber Manufactured Products  Release 5 | Qualification updated to remove three elective units that have been deleted as part of meeting Skills Ministers’ priority of removing training products with low or no enrolments, as agreed by the AISC | Equivalent |
| FWP31119 Certificate III in Wood Machining Release 2 | FWP31119 Certificate III in Wood Machining Release 3 | Qualification updated to remove three elective units that have been deleted as part of meeting Skills Ministers’ priority of removing training products with low or no enrolments, as agreed by the AISC | Equivalent |
| FWP40216 Certificate IV in Timber Processing Release 4 | FWP40216 Certificate IV in Timber Processing Release 5 | Qualification updated to remove three elective units that have been deleted as part of meeting Skills Ministers’ priority of removing training products with low or no enrolments, as agreed by the AISC | Equivalent |
| FWP50116 Diploma of Forest and Forest Products  Release 3 | FWP50116 Diploma of Forest and Forest Products  Release 4 | Qualification updated to remove eight elective units that have been deleted as part of meeting Skills Ministers’ priority of removing training products with low or no enrolments, as agreed by the AISC | Equivalent |

Units of competency

*Mapping of units of competency from FWP Forest and Wood Products Training Package*

*Version 6.0 to Version 6.1*

| Code and title (Version 6.0) | Code and title (Version 6.1) | Comments | Equivalence statement |
| --- | --- | --- | --- |
| FWPCOT2203 Finish and pack products | Not applicable | Unit deleted as part of meeting Skills Ministers’ priority of removing training products with low or no enrolments, as agreed by the AISC. | Deleted |
| FWPCOT2211 Produce pointed timber products | Not applicable | Unit deleted as part of meeting Skills Ministers’ priority of removing training products with low or no enrolments, as agreed by the AISC. | Deleted |
| FWPCOT2222 Produce laminated beams | Not applicable | Unit deleted as part of meeting Skills Ministers’ priority of removing training products with low or no enrolments, as agreed by the AISC. | Deleted |
| FWPCOT2225 Chip or flake wood | Not applicable | Unit deleted as part of meeting Skills Ministers’ priority of removing training products with low or no enrolments, as agreed by the AISC. | Deleted |
| FWPCOT2226 Debark logs mechanically | Not applicable | Unit deleted as part of meeting Skills Ministers’ priority of removing training products with low or no enrolments, as agreed by the AISC. | Deleted |
| FWPCOT2247 Appearance grade softwood sawn and milled products | Not applicable | Unit deleted as part of meeting Skills Ministers’ priority of removing training products with low or no enrolments, as agreed by the AISC. | Deleted |
| FWPCOT2248 Appearance grade cypress sawn and milled products | Not applicable | Unit deleted as part of meeting Skills Ministers’ priority of removing training products with low or no enrolments, as agreed by the AISC. | Deleted |
| FWPCOT2252 Band edges of panels | Not applicable | Unit deleted as part of meeting Skills Ministers’ priority of removing training products with low or no enrolments, as agreed by the AISC. | Deleted |
| FWPCOT3246 Test heavy structural/engineered products | Not applicable | Unit deleted as part of meeting Skills Ministers’ priority of removing training products with low or no enrolments, as agreed by the AISC. | Deleted |
| FWPCOT3249 Select timber preservation techniques | Not applicable | Unit deleted as part of meeting Skills Ministers’ priority of removing training products with low or no enrolments, as agreed by the AISC. | Deleted |
| FWPCOT3253 Convert timber residue into products for further use | Not applicable | Unit deleted as part of meeting Skills Ministers’ priority of removing training products with low or no enrolments, as agreed by the AISC. | Deleted |
| FWPCOT3267 Mechanically stress-grade engineered wood panels | Not applicable | Unit deleted as part of meeting Skills Ministers’ priority of removing training products with low or no enrolments, as agreed by the AISC. | Deleted |
| FWPCOT3296 Mechanically stress grade timber | Not applicable | Unit deleted as part of meeting Skills Ministers’ priority of removing training products with low or no enrolments, as agreed by the AISC. | Deleted |
| FWPCOT4204 Schedule and coordinate load shifting | Not applicable | Unit deleted as part of meeting Skills Ministers’ priority of removing training products with low or no enrolments, as agreed by the AISC. | Deleted |
| FWPSAW2203 Sort boards mechanically | Not applicable | Unit deleted as part of meeting Skills Ministers’ priority of removing training products with low or no enrolments, as agreed by the AISC. | Deleted |
| FWPSAW2208 Split wood products | Not applicable | Unit deleted as part of meeting Skills Ministers’ priority of removing training products with low or no enrolments, as agreed by the AISC. | Deleted |
| FWPSAW2210 Prepare for timber treatment operations | Not applicable | Unit deleted as part of meeting Skills Ministers’ priority of removing training products with low or no enrolments, as agreed by the AISC. | Deleted |
| FWPSAW2211 Round softwood logs | Not applicable | Unit deleted as part of meeting Skills Ministers’ priority of removing training products with low or no enrolments, as agreed by the AISC. | Deleted |
| FWPSAW3246 Hard face saw teeth | Not applicable | Unit deleted as part of meeting Skills Ministers’ priority of removing training products with low or no enrolments, as agreed by the AISC. | Deleted |
| FWPSAW3248 Profile saw blanks | Not applicable | Unit deleted as part of meeting Skills Ministers’ priority of removing training products with low or no enrolments, as agreed by the AISC. | Deleted |
| FWPTMM5203 Generate and transfer complex computer-aided drawings and specifications | Not applicable | Unit deleted as part of meeting Skills Ministers’ priority of removing training products with low or no enrolments, as agreed by the AISC. | Deleted |
| FWPTMM5205 Optimise CNC operations | Not applicable | Unit deleted as part of meeting Skills Ministers’ priority of removing training products with low or no enrolments, as agreed by the AISC. | Deleted |
| FWPTMM5206 Plan production | Not applicable | Unit deleted as part of meeting Skills Ministers’ priority of removing training products with low or no enrolments, as agreed by the AISC. | Deleted |
| FWPTMM5207 Assess timber product designs for feasibility | Not applicable | Unit deleted as part of meeting Skills Ministers’ priority of removing training products with low or no enrolments, as agreed by the AISC. | Deleted |
| FWPTMM5208 Manage timber product design | Not applicable | Unit deleted as part of meeting Skills Ministers’ priority of removing training products with low or no enrolments, as agreed by the AISC. | Deleted |
| FWPWPP2202 Surface treat raw board | Not applicable | Unit deleted as part of meeting Skills Ministers’ priority of removing training products with low or no enrolments, as agreed by the AISC. | Deleted |
| FWPWPP2203 Repair veneer and ply | Not applicable | Unit deleted as part of meeting Skills Ministers’ priority of removing training products with low or no enrolments, as agreed by the AISC. | Deleted |
| FWPWPP2204 Repair veneer mechanically | Not applicable | Unit deleted as part of meeting Skills Ministers’ priority of removing training products with low or no enrolments, as agreed by the AISC. | Deleted |
| FWPWPP2205 Prepare chip or fibre blends | Not applicable | Unit deleted as part of meeting Skills Ministers’ priority of removing training products with low or no enrolments, as agreed by the AISC. | Deleted |
| FWPWPP2206 Prepare veneer for ply | Not applicable | Unit deleted as part of meeting Skills Ministers’ priority of removing training products with low or no enrolments, as agreed by the AISC. | Deleted |
| FWPWPP2207 Scarf edges of veneer | Not applicable | Unit deleted as part of meeting Skills Ministers’ priority of removing training products with low or no enrolments, as agreed by the AISC. | Deleted |
| FWPWPP2208 Cut veneer | Not applicable | Unit deleted as part of meeting Skills Ministers’ priority of removing training products with low or no enrolments, as agreed by the AISC. | Deleted |
| FWPWPP2209 Saw products from continuous ply | Not applicable | Unit deleted as part of meeting Skills Ministers’ priority of removing training products with low or no enrolments, as agreed by the AISC. | Deleted |
| FWPWPP2211 Move material by transfer equipment | Not applicable | Unit deleted as part of meeting Skills Ministers’ priority of removing training products with low or no enrolments, as agreed by the AISC. | Deleted |
| FWPWPP2212 Cut panels to profile | Not applicable | Unit deleted as part of meeting Skills Ministers’ priority of removing training products with low or no enrolments, as agreed by the AISC. | Deleted |
| FWPWPP3202 Paint panels | Not applicable | Unit deleted as part of meeting Skills Ministers’ priority of removing training products with low or no enrolments, as agreed by the AISC. | Deleted |
| FWPWPP3203 Produce fibre from chips | Not applicable | Unit deleted as part of meeting Skills Ministers’ priority of removing training products with low or no enrolments, as agreed by the AISC. | Deleted |
| FWPWPP3204 Form board | Not applicable | Unit deleted as part of meeting Skills Ministers’ priority of removing training products with low or no enrolments, as agreed by the AISC. | Deleted |
| FWPWPP3205 Match and join veneer | Not applicable | Unit deleted as part of meeting Skills Ministers’ priority of removing training products with low or no enrolments, as agreed by the AISC. | Deleted |
| FWPWPP3207 Clip veneer | Not applicable | Unit deleted as part of meeting Skills Ministers’ priority of removing training products with low or no enrolments, as agreed by the AISC. | Deleted |
| FWPWPP3208 Punch peg holes in panels | Not applicable | Unit deleted as part of meeting Skills Ministers’ priority of removing training products with low or no enrolments, as agreed by the AISC. | Deleted |
| FWPWPP3211 Maintain caul plates and screens | Not applicable | Unit deleted as part of meeting Skills Ministers’ priority of removing training products with low or no enrolments, as agreed by the AISC. | Deleted |
| FWPWPP3213 Heat treat material | Not applicable | Unit deleted as part of meeting Skills Ministers’ priority of removing training products with low or no enrolments, as agreed by the AISC. | Deleted |
| FWPWPP3214 Treat paper | Not applicable | Unit deleted as part of meeting Skills Ministers’ priority of removing training products with low or no enrolments, as agreed by the AISC. | Deleted |
| FWPWPP3215 Cut paper | Not applicable | Unit deleted as part of meeting Skills Ministers’ priority of removing training products with low or no enrolments, as agreed by the AISC. | Deleted |
| FWPWPP3216 Press material using the daylight process | Not applicable | Unit deleted as part of meeting Skills Ministers’ priority of removing training products with low or no enrolments, as agreed by the AISC. | Deleted |
| FWPWPP3217 Process production effluent | Not applicable | Unit deleted as part of meeting Skills Ministers’ priority of removing training products with low or no enrolments, as agreed by the AISC. | Deleted |
| FWPWPP3218 Plan and coordinate machining of panels | Not applicable | Unit deleted as part of meeting Skills Ministers’ priority of removing training products with low or no enrolments, as agreed by the AISC. | Deleted |
| FWPWPP3219 Blend and test binding mixes | Not applicable | Unit deleted as part of meeting Skills Ministers’ priority of removing training products with low or no enrolments, as agreed by the AISC. | Deleted |
| FWPWPP3220 Plan and coordinate panel painting | Not applicable | Unit deleted as part of meeting Skills Ministers’ priority of removing training products with low or no enrolments, as agreed by the AISC. | Deleted |
| FWPWPP3222 Press laminated ply | Not applicable | Unit deleted as part of meeting Skills Ministers’ priority of removing training products with low or no enrolments, as agreed by the AISC. | Deleted |
| FWPWPP3223 Immunise veneer | Not applicable | Unit deleted as part of meeting Skills Ministers’ priority of removing training products with low or no enrolments, as agreed by the AISC. | Deleted |
| FWPWPP3224 Profile sand products | Not applicable | Unit deleted as part of meeting Skills Ministers’ priority of removing training products with low or no enrolments, as agreed by the AISC. | Deleted |
| FWPWPP3225 Produce profile sanding shoes and wheels | Not applicable | Unit deleted as part of meeting Skills Ministers’ priority of removing training products with low or no enrolments, as agreed by the AISC. | Deleted |
| FWPWPP3227 Vacuum paint | Not applicable | Unit deleted as part of meeting Skills Ministers’ priority of removing training products with low or no enrolments, as agreed by the AISC. | Deleted |
| FWPWPP3228 Dry Wood Flakes | Not applicable | Unit deleted as part of meeting Skills Ministers’ priority of removing training products with low or no enrolments, as agreed by the AISC. | Deleted |
| FWPWPP3229 Classify flake | Not applicable | Unit deleted as part of meeting Skills Ministers’ priority of removing training products with low or no enrolments, as agreed by the AISC. | Deleted |
| FWPWPP3230 Produce decorative veneers | Not applicable | Unit deleted as part of meeting Skills Ministers’ priority of removing training products with low or no enrolments, as agreed by the AISC. | Deleted |
| FWPWPP3232 Operate a heat roll bonding machine to laminate or veneer engineered wood panel surfaces | Not applicable | Unit deleted as part of meeting Skills Ministers’ priority of removing training products with low or no enrolments, as agreed by the AISC. | Deleted |
| FWPWPP3233 Operate a laminating press for engineered wood panels | Not applicable | Unit deleted as part of meeting Skills Ministers’ priority of removing training products with low or no enrolments, as agreed by the AISC. | Deleted |
| FWPWPP3234 Operate a continuous press for the production of engineered wood panels | Not applicable | Unit deleted as part of meeting Skills Ministers’ priority of removing training products with low or no enrolments, as agreed by the AISC. | Deleted |
| FWPWPP3235 Trim new engineered wood panels to size | Not applicable | Unit deleted as part of meeting Skills Ministers’ priority of removing training products with low or no enrolments, as agreed by the AISC. | Deleted |
| FWPWPP4202 Perform laboratory testing | Not applicable | Unit deleted as part of meeting Skills Ministers’ priority of removing training products with low or no enrolments, as agreed by the AISC. | Deleted |
| FWPWPP4203 Plan and coordinate engineered wood panel production | Not applicable | Unit deleted as part of meeting Skills Ministers’ priority of removing training products with low or no enrolments, as agreed by the AISC. | Deleted |

FWP Forest and Wood Products Training Package Version 6.0 to Version 5.0

Qualifications

*Mapping of qualifications from FWP Forest and Wood Products Training Package*

*Version 6.0 to Version 5.0*

| Code and title (Version 5.0) | Code and title (Version 6.0) | Comments | Equivalence statement |
| --- | --- | --- | --- |
| FWP20116 Certificate II in Forest Growing and Management Release 2 | FWP20116 Certificate II in Forest Growing and Management Release 3 | Updated to include revised units and superseded and deleted imported units | Equivalent |
| FWP20216 Certificate II in Harvesting and Haulage Release 2 | FWP20216 Certificate II in Harvesting and Haulage Release 3 | Updated to include revised units and superseded and deleted imported units | Equivalent |
| FWP20316 Certificate II in Sawmilling and Processing Release 3 | FWP20316 Certificate II in Sawmilling and Processing Release 4 | Updated to include revised FWP elective units | Equivalent |
| FWP20416 Certificate II in Wood Panel Products Release 3 | FWP20416 Certificate II in Wood Panel Products Release 4 | Updated to include revised FWP elective units | Equivalent |
| FWP20516 Certificate II in Timber Manufactured Products Release 3 | FWP20516 Certificate II in Timber Manufactured Products  Release 4 | Updated to include revised FWP elective units | Equivalent |
| FWP20616 Certificate II in Timber Merchandising |  |  | Deleted |
| FWP20716 Certificate II in Timber Truss and Frame Design and Manufacture |  |  | Deleted |
| FWP30116 Certificate III in Forest Growing and Management Release 2 | FWP30116 Certificate III in Forest Growing and Management Release 3 | Updated to include revised units and superseded imported units | Equivalent |
| FWP30216 Certificate III in Harvesting and Haulage Release 2 | FWP30216 Certificate III in Harvesting and Haulage Release 3 | Updated to include revised and new units as well as superseded imported units | Equivalent |
| FWP30316 Certificate III in Sawmilling and Processing Release 2 | FWP30316 Certificate III in Sawmilling and Processing Release 3 | Updated to include revised FWP elective units | Equivalent |
| FWP30416 Certificate III in Wood Panel Products Release 3 | FWP30416 Certificate III in Wood Panel Products Release 4 | Updated to include revised units and superseded imported units | Equivalent |
| FWP30516 Certificate III in Timber Manufactured Products Release 3 | FWP30516 Certificate III in Timber Manufactured Products Release 4 | Updated to include revised FWP elective units  New elective units added | Equivalent |
| FWP30616 Certificate III in Timber Merchandising | FWP30620 Certificate III in Timber Building Products Supply | Titled changed to reflect industry focus. Number of units, core and elective units changed. | Not Equivalent |
| FWP30916 Certificate III in Timber Truss and Frame Design and Manufacture | FWP30920 Certificate III in Timber Frame or Truss Manufacture | Titled changed to reflect manufacturing focus. Number of units, core and elective units changed. | Not Equivalent |
| FWP30916 Certificate III in Timber Truss and Frame Design and Manufacture | FWP31220 Certificate III in Timber Systems Design | Title change to reflect specific outcome of timber system design. Changes to core and listed elective units. | Not Equivalent |
| FWP31019 Certificate III in Saw Technology  Release 1 | FWP31019 Certificate III in Saw Technology  Release 2 | Updated to include revised elective unit | Equivalent |
| FWP31119 Certificate III in Wood Machining  Release 1 | FWP31119 Certificate III in Wood Machining  Release 2 | Updated to include FWP revised elective units | Equivalent |
| FWP40116 Certificate IV in Forest Operations  Release 1 | FWP40116 Certificate IV in Forest Operations  Release 2 | Updated to include revised units and amend superseded and deleted imported units | Equivalent |
| FWP40216 Certificate IV in Timber Processing Release 3 | FWP40216 Certificate IV in Timber Processing Release 4 | Updated to include revised units  Additional electives added | Equivalent |
| FWP40316 Certificate IV in Timber Truss and Frame Manufacture |  |  | Deleted |
| FWP40416 Certificate IV in Timber Truss and Frame Design | FWP40420 Certificate IV in Timber Systems Design | Retitled  Removal of entry requirements. Change to number of units for qualification outcome and core and elective units. | Not Equivalent |
| FWP50216 Diploma of Timber Truss and Frame Manufacture |  |  | Deleted |
| FWP50316 Diploma of Timber Truss and Frame Design |  |  | Deleted |

Skill sets

*Mapping of skill sets from FWP Forest and Wood Products Training Package*

*Version 6.0 to Version 5.0*

| Code and title (Version 5.0) | Code and title (Version 6.0) | Comments | Equivalence statement |
| --- | --- | --- | --- |
| FWPSS00030  (Release 2) | FWPSS00030  (Release 3) | Updated skill set to replace superseded unit FWPCOT2210 Tally material with FWPCOT2260 Tally material | Equivalent |
| Not applicable | FWPSS00041 Cutting Timber to Length and Angle Skill Set | This skill set has been created to address a specific job task required by industry | Newly created |
| Not applicable | FWPSS00042 Timber Wall Frame Manufacture Skill Set | This skill set has been created to address a specific job task required by industry | Newly created |
| Not applicable | FWPSS00043 Timber Roof Truss Manufacture Skill Set | This skill set has been created to address a specific job task required by industry | Newly created |
| Not applicable | FWPSS00044 Timber Floor Truss Manufacture Skill Set | This skill set has been created to address a specific job task required by industry | Newly created |
| Not applicable | FWPSS00045 Stacking and Storing Timber Frames and Trusses Skill Set | This skill set has been created to address a specific job task required by industry | Newly created |

Units of competency

*Mapping of units of competency from FWP Forest and Wood Products Training Package*

*Version 6.0 to Version 5.0*

| Code and title (Version 5.0) | Code and title (Version 6.0) | Comments | Equivalence statement |
| --- | --- | --- | --- |
| Not applicable | FWPCOT3317 Use chainsaw within a tree | This unit has been created to address an emerging skill or task required by industry | Newly created |
| Not applicable | FWPCOT3318 Access, capture and communicate forestry field data using mobile devices | This unit has been created to address an emerging skill or task required by industry | Newly created |
| Not applicable | FWPCOT3319 Read and interpret digital maps and forest operation plans | This unit has been created to address an emerging skill or task required by industry | Newly created |
| Not applicable | FWPHAR3232 Operate harvesting machine with winch-assist system | This unit has been created to address an emerging skill or task required by industry | Newly created |
| Not applicable | FWPHAR3233 Use mechanised equipment for forestry site preparation on steep slopes | This unit has been created to address an emerging skill or task required by industry | Newly created |
| Not applicable | FWPTMM3215 Work effectively in the timber systems design industry | This unit has been created to address an emerging skill or task required by industry | Newly created |
| FWPCOT2201 Stack and bind material | FWPCOT2206 Stack and bind material | Application clarified  Performance Criteria re-sequenced and strengthened  Foundation Skills and Assessment Requirements updated | Equivalent |
| FWPCOT2210 Tally material | FWPCOT2260 Tally material | Minor grammatical and editorial changes to Application and Performance Criteria  Foundation Skills reviewed  Assessment Requirements reviewed and updated | Equivalent |
| FWPCOT2218 Cross cut materials with a fixed saw | FWPCOT2263 Cross cut materials with a fixed saw | Application and Knowledge Evidence minor changes  Element and Performance Criteria updated and sequenced  Foundation Skills, Performance Evidence and Assessment Conditions updated | Equivalent |
| FWPCOT2219 Use hand-held tools | FWPCOT2257 Use hand-held tools | Application wording clarified  Element added  Performance Criteria,  Foundation Skills and Assessment Requirements reviewed and updated | Equivalent |
| FWPCOT2227 Process orders and despatch products | FWPCOT2261 Process orders and prepare for despatch | Retitled  Application wording updated  Elements and Performance Criteria reworded  Foundation Skills, Performance Evidence and Knowledge Evidence updated Assessment Conditions reviewed and updated | Not Equivalent |
| FWPCOT2228 Store materials | FWPCOT2255 Store materials | Application wording clarified  Element added and Performance Criteria re-sequenced  Foundation Skills and Assessment Requirements updated | Equivalent |
| FWPCOT2229 Dock material to length | FWPCOT2234 Dock material to length | Application clarified  Performance Criteria, Foundation Skills and Assessment Requirements updated | Equivalent |
| FWPCOT2230 Assemble products | FWPCOT2258 Assemble projects | Application and Foundation Skills updated and reworded  Performance Criteria update and re-sequenced  Performance Evidence and Knowledge Evidence updated and reworded  Assessment Conditions updated | Equivalent |
| FWPCOT2232 Cut material to shape using a saw | FWPCOT2262 Cut material to shape using a saw | Rewording of Application and Performance Criteria. Changes to Foundation Skills. Addition of frequency, volume and saw use in Performance Evidence. Addition of Knowledge Evidence to align to Performance Criteria | Equivalent |
| FWPCOT2235 Assess timber for manufacturing potential | FWPCOT3226 Assess timber for manufacturing potential | Level of skill complexity revised Application clarified  Performance Criteria re-sequenced  Foundation Skills and Assessment Requirements updated | Equivalent |
| FWPCOT2236 Fall trees manually (basic) | FWPCOT2253 Fell trees manually (basic) | Changes to Application  Updated and added new Performance Criteria  Reworded Elements  Updated Foundation Skills, Performance Evidence Knowledge Evidence and Assessment Conditions | Equivalent |
| FWPCOT2237 Maintain chainsaws | FWPCOT2254 Maintain chainsaws | Clarified Application  Updated and added new Performance Criteria  Added new knowledge items  Updated Foundation Skills, Performance Evidence and Assessment Conditions | Equivalent |
| FWPCOT2238 Cut materials with a hand-held chainsaw | FWPCOT2259 Cut materials with a hand-held chainsaw | Application wording updated  Element reworded and Performance Criteria reviewed, updated and re-sequenced  Foundation Skills and Assessment Requirements reviewed and updated | Equivalent |
| FWPCOT2239 Trim and cut felled trees | FWPCOT2256 Trim and cut felled trees | Minor changes to Application, Performance Criteria and Knowledge Evidence  Added new Performance Criteria Updated Foundation Skills, Performance Evidence and Assessment Conditions | Equivalent |
| FWPCOT3278 Sharpen cutters in head using a straight knife grinder  Release 1 | FWPCOT3278 Sharpen cutters in head using a straight knife grinder  Release 2 | Minor edit to Application | Equivalent |
| FWPCOT2241 Apply wood and timber product knowledge | FWPCOT3302 Access and provide timber and wood product information | Title amended  Clarified Application  Reworded Elements and Performance Criteria  Updated Knowledge Evidence,  Foundation Skills, Performance Evidence and Assessment Conditions | Equivalent |
| FWPCOT3204 Prepare and interpret sketches and drawings | FWPCOT3303 Prepare sketches and drawings | Retitled  Application updated  Elements reworded  Performance Criteria re-sequenced  Assessment Requirements rewritten to specify volume  Performance Evidence Knowledge Evidence updated | Equivalent |
| FWPCOT3214 Take off material quantities | FWPCOT3304 Take off material quantities | Application updated  Elements and Performance Criteria reworded and re-sequenced  Assessment Requirements updated | Equivalent |
| FWPCOT3218 Quote and interpret from manufactured timber product plans | FWPCOT3305 Interpret and quote from manufactured timber product plans | Retitled  Redesigned unit using content from FWPCOT3218 Quote and interpret from manufactured timber product plans and FWPCOT3220 Quote and interpret from computerised timber manufactured product plans | Not Equivalent |
| FWPCOT3220 Quote and interpret from computerised timber manufactured product plans | FWPCOT3305 Interpret and quote from manufactured timber product plans | Retitled  Redesigned unit using content from FWPCOT3218 Quote and interpret from manufactured timber product plans and FWPCOT3220 Quote and interpret from computerised timber manufactured product plans | Not Equivalent |
| FWPCOT3221 Rehabilitate tracks, quarries and landings | FWPCOT3306 Rehabilitate tracks, quarries and landings | Updated and added new Performance Criteria  Added new knowledge item  Reworded Foundation Skills, Performance Evidence and Assessment Conditions | Equivalent |
| FWPCOT3236 Coordinate stock control procedures | FWPCOT4211 Monitor stock control procedures | Re-titled  Level of skill complexity revised Minor grammatical changes to Application, Elements and Performance Criteria  Updated Foundation Skills and Assessment Requirements | Equivalent |
| FWPCOT3238 Operate a pole saw | FWPCOT3301 Trim trees using a pole saw | Re-titled  Minor updates to Application, Performance Criteria and Knowledge Evidence  Added new Performance Criteria Updated Foundation Skills, Performance Evidence and Assessment Conditions | Equivalent |
| FWPCOT3239 Create drawings using computer aided design systems | FWPCOT3307 Create drawings using computer aided design software | Retitled  Application clarified  Elements and Performance Criteria reworded Foundation Skills and Assessment Requirements updated | Equivalent |
| FWPCOT3241 Assemble timber wall frames | FWPCOT3308 Assemble timber wall frames | Application clarified  Elements renamed  Performance Criteria re-sequenced  Foundation Skills and Assessment Requirements updated | Equivalent |
| FWPCOT3242 Lay up timber roof trusses | FWPCOT3309 Assemble timber roof trusses | Redesigned unit using content from FWPCOT3242 Lay up timber roof trusses and FWPCOT3243 Operate a truss press  Re-titled  Elements and Performance Criteria reviewed and updated  Assessment Requirements reworded and updated | Not Equivalent |
| FWPCOT3243 Operate a truss press | FWPCOT3309 Assemble timber roof trusses | Redesigned unit using content from FWPCOT3242 Lay up timber roof trusses and FWPCOT3243 Operate a truss press  Re-titled  Elements and Performance Criteria reviewed and updated  Assessment Requirements reworded and updated | Not Equivalent |
| FWPCOT3250 Prepare timber to meet import/export compliance requirements | FWPCOT3310 Prepare timber or related products to meet import/export compliance requirements | Title amended  Minor changes to Application  Reworded Elements and Performance Criteria  Updated Foundation Skills, Performance Evidence and Assessment Conditions | Equivalent |
| FWPCOT3251 Promote the carbon benefits of wood products | Not applicable | Not applicable | Deleted |
| FWPCOT3252 Use environmental care procedures to undertake fire salvage operations | FWPCOT3311 Use environmental care procedures to undertake fire salvage operations | Merged Elements  Minor updates to Knowledge Evidence  Updated Foundation Skills, Performance Evidence and Assessment Conditions | Equivalent |
| FWPCOT3254 Implement environmentally sustainable work practices in the work area/work site | FWPCOT3312 Implement environmentally sustainable work practices in the work area/work site | Updated Application  Reworded Elements  Minor changes to Performance Criteria  Added new knowledge item  Updated Foundation Skills, Performance Evidence and Assessment Conditions | Equivalent |
| FWPCOT3256 Apply biodiversity protection principles | FWPCOT3313 Apply biodiversity protection principles | Clarified Application  Updated and added new Performance Criteria  Updated Foundation Skills, Performance Evidence and Assessment Conditions | Equivalent |
| FWPCOT3258 Comply with soil and water protection | FWPCOT3314 Comply with soil and water protection | Clarified Application  Updated and added new Performance Criteria  Deleted Element and incorporated its Performance Criteria  Updated Foundation Skills, Performance Evidence and Assessment Conditions | Equivalent |
| FWPCOT3261 Transport forestry logs using trucks | FWPCOT3315 Transport forestry logs using trucks | Unit updated to match skill and knowledge requirements outlined in the industry Code of Practice Clarified Application  Deleted and added a new Performance Criteria  Updated Knowledge Evidence, Foundation Skills, Performance Evidence and Assessment Conditions | Not Equivalent |
| FWPCOT3262 Transport forestry produce using trucks | FWPCOT3316 Transport forestry produce using trucks | Clarified Application  Added new Performance Criteria Updated Foundation Skills, Performance Evidence and Assessment Conditions | Equivalent |
| FWPCOT3264 Build and maintain timber stacks | FWPCOT3320 Build and maintain timber stacks | Wording of Application and Performance Criteria updated  Foundation Skills updated  Volume added to Performance Evidence and wording updated and restructured  Assessment Conditions updated | Equivalent |
| FWPCOT3269 Provide specialised timber product solutions | FWPCOT4210 Provide specialised timber product solutions | Clarified Application  Reworded Elements and Performance Criteria  Updated Foundation Skills, Performance Evidence and Assessment Conditions | Equivalent |
| FWPCOT4202 Design timber structures | FWPCOT4209 Design timber structures | Application clarified  Elements renamed  Performance Criteria, Foundation Skills and Assessment Requirements updated | Equivalent |
| FWPFGM2210 Implement animal pest control procedures | Not applicable | Not applicable | Deleted |
| FWPFGM3209 Construct and maintain forest roads and tracks | FWPFGM3208 Construct and maintain forest roads and tracks | Minor updates to Application, Performance Criteria and Knowledge Evidence  Added a new Element  Updated Foundation Skills, Performance Evidence and Assessment Conditions | Equivalent |
| FWPFGM3212 Fall trees manually (intermediate) | FWPFGM3216 Fell trees manually (intermediate) | Updated Application  Reworded and added new Performance Criteria  Added a new Element  Updated Foundation Skills, Performance Evidence, Knowledge Evidence and Assessment Conditions | Equivalent |
| FWPFGM3213 Fall trees manually (advanced) | FWPFGM3217 Fell trees manually (advanced) | Updated Application  Reworded and added new Performance Criteria  Added a new Element  Updated Foundation Skills, Performance Evidence, Knowledge Evidence and Assessment Conditions | Equivalent |
| FWPHAR2203 Hook up felled logs using cables (choker) | FWPHAR2201 Hook up felled trees (choker) | Title amended  Minor update to Application, Elements and Knowledge Evidence  Added new Performance Criteria Updated Foundation Skills, Performance Evidence and Assessment Conditions | Equivalent |
| FWPHAR2204 Perform landing duties (chaser) | FWPHAR2202 Perform landing duties (chaser) | Minor updates to Application, Performance Criteria and Knowledge Evidence  Added new Performance Criteria  Merged two Elements  Updated Foundation Skills, Performance Evidence and Assessment Conditions | Equivalent |
| FWPHAR2206 Operate a mobile chipper/mulcher | FWPHAR2208 Operate a mobile chipper/mulcher | Clarified Application  Updated and added new Performance Criteria  Re-titled Element  Added new knowledge items  Updated Foundation Skills, Performance Evidence and Assessment Conditions | Equivalent |
| FWPHAR2207 Trim and cut harvested trees | FWPHAR2209 Trim and cut harvested trees | Minor updates to Application and Knowledge Evidence  Re-titled Element  Added new Performance Criteria  Updated Foundation Skills, Performance Evidence and Assessment Conditions | Equivalent |
| FWPHAR3201 Monitor log recovery (rigging slinger) | FWPHAR3202 Monitor log recovery (rigging slinger) | Minor updates to Application, Performance Criteria and Knowledge Evidence  Updated Foundation Skills, Performance Evidence and Assessment Conditions | Equivalent |
| FWPHAR3215 Operate a heavy production mobile chipper | FWPHAR3203 Operate integrated or split flail and wood chipper with crane | Redesigned unit using content from FWPHAR3215 Operate a heavy production mobile chipper to provide specific skills for specialised in-field wood chipping equipment | Not Equivalent |
| FWPHAR3215 Operate a heavy production mobile chipper | FWPHAR3204 Operate split flail and wood chipper fed by mobile machine | Redesigned unit using content from FWPHAR3215 Operate a heavy production mobile chipper to provide specific skills for specialised in-field wood chipping equipment | Not Equivalent |
| FWPHAR3220 Harvest trees manually (intermediate) | FWPHAR3205 Harvest trees manually (intermediate) | Clarified Application  Deleted and added new Element  Updated and added new Performance Criteria  Updated Foundation Skills, Performance Evidence, Knowledge Evidence and Assessment Conditions | Equivalent |
| FWPHAR3221 Harvest trees manually (advanced) | FWPHAR3209 Harvest trees manually (advanced) | Clarified Application  Updated and added new Performance Criteria  Updated Foundation Skills, Performance Evidence, Knowledge Evidence and Assessment Conditions | Equivalent |
| FWPHAR3231 Operate yarder | FWPHAR3212 Operate yarder | Minor changes to Application and Knowledge Evidence  Added new Performance Criteria Updated Foundation Skills, Performance Evidence and Assessment Conditions | Equivalent |
| FWPSAW2205 Assemble materials using nail plates | FWPSAW2212 Assemble materials using nail plates | Application and Performance Criteria reworded  Updated Foundation Skills and Assessment Requirements | Equivalent |
| FWPTMM2201 Cut material to length and angles | FWPTMM2205 Cut material to length and angles | Application clarified  Performance Criteria, Foundation Skills and Assessment Requirements updated | Equivalent |
| FWPTMM2203 Read and interpret timber truss, floor and/or frame fabrication plans | FWPTMM3213 Read and interpret timber truss or wall frame fabrication plans | Re-titled  Indicative AQF unit level revised  Application clarified  Performance Criteria re-sequenced  Foundation Skills and Assessment Requirements updated | Not Equivalent |
| FWPTMM3204 Interpret designs to prepare timber roof truss drawings and documents using computers | FWPTMM4209 Interpret details of timber roof trusses to inform design of plans and production documents | Redesigned unit using content from FWPTMM4205 Prepare and advise on a broad range of timber roof truss details using computers FWPTMM3204 Interpret designs to prepare timber roof truss drawings and documents using computers  Re-titled | Not Equivalent |
| FWPTMM3205 Interpret designs to prepare timber floor system drawings and documents using computers | FWPTMM4210 Interpret details of timber floor systems to inform design of plans and production documents | Redesigned unit using content from FWPTMM4206 Prepare and advise on a broad range of timber floor system details using computers and FWPTMM3205 Interpret designs to prepare timber floor system drawings and documents using computers | Not Equivalent |
| FWPTMM3206 Interpret designs to prepare timber wall frame drawings and documents using computers | FWPTMM4211 Interpret details of timber wall frames to inform design of plans and production documents | Redesigned unit using content from FWPTMM4207 Prepare and advise on a broad range of timber wall frame details using computers and FWPTMM3206 Interpret designs to prepare timber wall frame drawings and documents using computers  Re-titled | Not Equivalent |
| FWPTMM3207 Set up timber floor trusses | FWPTMM3214 Assemble timber floor trusses | Redesigned unit using content from FWPTMM3207 Set up timber floor trusses and FWPCOT3243 Operate a truss press  Re-titled | Not Equivalent |
| FWPTMM4202 Diagnose and calculate production costs | FWPTMM4212 Calculate production costs | Re-titled  Minor wording and grammatical changes in Application and Performance Criteria  Foundation Skills updated  Assessment Requirements updated for clarity | Equivalent |
| FWPTMM4205 Prepare and advise on a broad range of timber roof truss details using computers | FWPTMM4209 Interpret details of timber roof trusses to inform design of plans and production documents | Redesigned unit using content from FWPTMM4205 Prepare and advise on a broad range of timber roof truss details using computers FWPTMM3204 Interpret designs to prepare timber roof truss drawings and documents using computers  Re-titled | Not Equivalent |
| FWPTMM4206 Prepare and advise on a broad range of timber floor system details using computers | FWPTMM4210 Interpret details of timber floor systems to inform design of plans and production documents | Redesigned unit using content from FWPTMM4206 Prepare and advise on a broad range of timber floor system details using computers and FWPTMM3205 Interpret designs to prepare timber floor system drawings and documents using computers  Re-titled | Not Equivalent |
| FWPTMM4207 Prepare and advise on a broad range of timber wall frame details using computers | FWPTMM4211 Interpret details of timber wall frames to inform design of plans and production documents | Redesigned unit using content from FWPTMM4207 Prepare and advise on a broad range of timber wall frame details using computers and FWPTMM3206 Interpret designs to prepare timber wall frame drawings and documents using computers  Re-titled | Not Equivalent |
| FWPWPP2201 Cut panels | FWPWPP2213 Cut panels | Application and Performance Criteria updated and reworded Assessment Requirements clarified | Equivalent |

FWP Forest and Wood Products Training Package Version 5.0 to Version 4.0

Qualifications

*Mapping of qualifications from FWP Forest and Wood Products Training Package*

*Version 5.0 to Version 4.0*

| Code and title (Version 4.0) | Code and title (Version 5.0) | Comments | Equivalence statement |
| --- | --- | --- | --- |
| FWP20316 Certificate II in Sawmilling and Processing  Release 2 | FWP20316 Certificate II in Sawmilling and Processing  Release 3 | Updated to include revised units, new and revised imported units, and all prerequisites as electives | Equivalent qualification |
| FWP20416 Certificate II in Wood Panel Products  Release 2 | FWP20416 Certificate II in Wood Panel Products  Release 3 | Updated to include revised units, new and revised imported units, and all prerequisites as electives | Equivalent qualification |
| FWP20516 Certificate II in Timber Manufactured Products  Release 1 | FWP20516 Certificate II in Timber Manufactured Products  Release 2 | Updated to include revised units and new and revised imported units | Equivalent qualification |
| FWP30316 Certificate III in Sawmilling and Processing  Release 2 | FWP30316 Certificate III in Sawmilling and Processing  Release 3 | Updated to include revised units, new, superseded and deleted imported units, and all prerequisites as electives | Equivalent qualification |
| FWP30416 Certificate III in Wood Panel Products  Release 2 | FWP30416 Certificate III in Wood Panel Products  Release 3 | Updated to include revised units, new and revised imported units, and all prerequisites as electives | Equivalent qualification |
| FWP30516 Certificate III in Timber Manufactured Products  Release 2 | FWP30516 Certificate III in Timber Manufactured Products  Release 3 | Updated to include revised units and new and revised imported units | Equivalent qualification |
| FWP30716 Certificate III in Sawdoctoring  Release 1 | FWP31019 Certificate III in Saw Technology  Release 1 | Qualification updated to reflect new name, additional units added to the core, units removed, and additional imported units. | No equivalent qualification |
| FWP30816 Certificate III in Woodmachining  Release 2 | FWP31119 Certificate III in Wood Machining  Release 1 | Qualification updated to reflect additional units added to the core, units removed, and additional imported units. Grammatical update to title. | No equivalent qualification |
| FWP40216 Certificate IV in Timber Processing  Release 2 | FWP40216 Certificate IV in Timber Processing  Release 3 | Updated to include revised units and superseded and deleted imported units; imported an additional unit as elective. | Equivalent qualification |

Skill sets

*Mapping of skill sets from FWP Forest and Wood Products Training Package*

*Version 5.0 to Version 4.0*

| Code and title (Version 4.0) | Code and title (Version 5.0) | Comments | Equivalence statement |
| --- | --- | --- | --- |
| FWPSS00028 Skill set for a finger jointing plant operator  Release 2 | FWPSS00028 Skill set for a finger jointing plant operator  Release 1 | Updated to include revised units and new codes for imported units; added prerequisite requirements as electives | Equivalent skill set |
| FWPSS00029 Skill set for a finger jointing moulder operator  Release 3 | FWPSS00029 Skill set for a finger jointing moulder operator  Release 2 | Updated to include revised units | Equivalent skill set |
| FWPSS00030 Skill set for a finger jointing grader operator  Release 2 | FWPSS00030 Skill set for a finger jointing grader operator  Release 1 | Updated to include revised unit | Equivalent skill set |
| Not applicable | FWPSS00039 Skill set for hydraulic maintenance of saw technology | New skill set | No equivalent skill set |
| Not applicable | FWPSS00040 Skill set for pneumatic maintenance of saw technology | New skill set | No equivalent skill set |

Units of competency

*Mapping of units of competency from FWP Forest and Wood Products Training Package   
Version 5.0 to Version 4.0*

| *FWP Forest and Wood Products Training Package Version 5.0*  *Mapping of units of competency* | | | |
| --- | --- | --- | --- |
| Code and title (Version 4) | Code and title (Version 5) | Comments | Equivalence statement |
| Not applicable | FWPCOT3286 Identify levelling and tensioning requirements for saw blades | New Unit | No equivalent unit |
| Not applicable | FWPCOT3287 Operate CNC equipment for grinding, tensioning and levelling saw blades | New Unit | No equivalent unit |
| Not applicable | FWPCOT3289 Load and prove operating program for CNC machine | New Unit | No equivalent unit |
| Not applicable | FWPCOT3290 Apply knowledge of timber properties, sawmill operations and sawmilling equipment | New Unit | No equivalent unit |
| Not applicable | FWPCOT3291 Apply principles of timber and process optimisation in sawmill operations | New Unit | No equivalent unit |
| Not applicable | FWPCOT3292 Calibrate and maintain scanning equipment used in sawmilling operations | New Unit | No equivalent unit |
| Not applicable | FWPCOT3293 Use scanning equipment for timber grading | New Unit | No equivalent unit |
| Not applicable | FWPSAW3241 Set up and operate production saws used in sawmill operations | New Unit | No equivalent unit |
| Not applicable | FWPSAW4206 Monitor output timber for optimum volume and value recovery | New Unit | No equivalent unit |
| Not applicable | FWPSAW4207 Optimise timber production for volume and value recovery | New Unit | No equivalent unit |
| FWPCOT2205 Tail out materials | FWPCOT2243 Tail out timber product and waste material | Updated unit code and title for clarity and compliance; edited machines required under assessment conditions. | Equivalent unit |
| FWPCOT2207 Dress boards and timber | FWPCOT2244 Operate and maintain a thicknesser | Revised application statement; modified element 2 sequence; updated unit code and title for clarity and compliance. | Equivalent unit |
| FWPCOT2208 Resaw boards and timber | FWPCOT2245 Operate and maintain a table saw | Reworded application statement for clarity; revised performance criteria; changed unit code and title for consistency and compliance. | Equivalent unit |
| FWPCOT2212 Grade hardwood sawn and milled products | FWPCOT2246 Appearance grade hardwood sawn and milled products | Revised performance evidence and knowledge evidence for mapping and clarity; updated unit code and title to reflect changes and for compliance. | Equivalent unit |
| FWPCOT2213 Grade softwood sawn and milled products | FWPCOT2247 Appearance grade softwood sawn and milled products | Revised performance evidence and knowledge evidence for mapping and clarity; updated unit code and title to reflect changes and for compliance. | Equivalent unit |
| FWPCOT2214 Grade cypress sawn and milled products | FWPCOT2248 Appearance grade cypress sawn and milled products | Revised performance evidence and knowledge evidence for mapping and clarity; updated unit code and title to reflect changes and for compliance. | Equivalent unit |
| FWPCOT2215 Visually stress grade hardwood | FWPCOT2249 Visually stress grade hardwood | Updated performance criteria to reflect environmental and workplace health and safety requirements; updated foundation skills; added performance evidence and knowledge evidence to map to performance criteria; updated unit code to reflect changes and meet compliance. | Equivalent unit |
| [FWPCOT2216 Visually stress grade softwood](https://training.gov.au/Training/Details/FWPCOT2216) | [FWPCOT2250 Visually stress grade softwood](https://training.gov.au/Training/Details/FWPCOT2216) | Reworded application statement; updated performance criteria to reflect environmental and workplace health and safety requirements; updated foundation skills; added performance evidence and knowledge evidence to map to performance criteria; updated unit code to reflect changes and meet compliance. | Equivalent unit |
| [FWPCOT2217 Visually stress grade cypress](https://training.gov.au/Training/Details/FWPCOT2217) | [FWPCOT2251 Visually stress grade cypress](https://training.gov.au/Training/Details/FWPCOT2217) | Reworded application statement; updated performance criteria to reflect environmental and workplace health and safety requirements; updated foundation skills; added performance evidence and knowledge evidence to map to performance criteria; updated unit code to reflect changes and meet compliance. | Equivalent unit |
| FWPCOT2224 Band edges of panels | FWPCOT2252 Band edges of panels | Reworded application statement; updated performance criteria to reflect environmental and workplace health and safety requirements; updated foundation skills; added performance evidence to map to performance criteria; updated unit code to reflect changes and meet compliance. | Equivalent unit |
| FWPCOT2239 Trim and cut felled trees  Release 3 | FWPCOT2239 Trim and cut felled trees  Release 2 | Minor edits to achieve consistency with wording in another FWPHAR unit; and enable flexibility of the unit application. | Equivalent unit |
| FWPCOT3201 Hand sharpen knives and blades | FWPCOT3271 Hand sharpen knives and blades for commercial and domestic cutting services | Updated application statement; revised knowledge evidence; updated unit code and title to reflect changes and for compliance. | Equivalent unit |
| FWPCOT3206 Cut material using high speed optimiser | FWPCOT3274 Cut timber products using high-speed optimiser | Updated application statement; updated performance criteria to reflect environmental and workplace health and safety requirements; updated foundation skills; added performance evidence to map to performance criteria; updated unit title and code to reflect changes. | Equivalent unit |
| [FWPCOT3207 Set up, operate and maintain finger jointing operations](https://training.gov.au/Training/Details/FWPCOT3207) | FWPCOT3288 Set up, operate and maintain finger jointing machines | Reworded application statement; reorganised performance evidence into new elements; updated environmental and workplace health and safety requirements; updated foundation skills; added performance evidence to map to performance criteria; updated unit code and title for clarity and compliance. | Equivalent unit |
| [FWPCOT3209 Set up, operate and maintain end matching operations](https://training.gov.au/Training/Details/FWPCOT3209) | FWPCOT3275 Set up, operate and maintain end matching machines | Updated workplace health and safety requirements; renamed element 1; split element 2; revised performance evidence to map to performance criteria; updated unit code and title for clarity and compliance. | Equivalent unit |
| FWPCOT3210 Sharpen cutting tools | FWPCOT3276 Sharpen cutters using a straight knife grinder | The original unit has been replaced by three units including this unit to define specific skills required of operators for using different methods and equipment for sharpening different types of cutters to produce timber with simple and complex profiles. | No equivalent unit |
| FWPCOT3210 Sharpen cutting tools | FWPCOT3277 Sharpen cutters in head using a profile knife grinder | The original unit has been replaced by three units including this unit to define specific skills required of operators for using different methods and equipment for sharpening different types of cutters to produce timber with simple and complex profiles. | No equivalent unit |
| FWPCOT3210 Sharpen cutting tools | FWPCOT3278 Sharpen cutters in head using a straight knife grinder | The original unit has been replaced by three units including this unit to define specific skills required of operators for using different methods and equipment for sharpening different types of cutters to produce timber with simple and complex profiles. | No equivalent unit |
| FWPCOT3211 Maintain sawdoctoring tools | FWPCOT3279 Assess and maintain saw technology tools | Added new elements; redrafted performance evidence; expanded knowledge evidence and assessment conditions to include additional tools; changed title and unit code to reflect updates and for compliance. | No equivalent unit |
| FWPCOT3212 Replace saws, blades and guides | FWPCOT3280 Replace saw blades, knives and guides | Reworded application statement for clarity; updated unit code and title for clarity and compliance. | Equivalent unit |
| FWPCOT3213 Manufacture cutting tools | FWPCOT3281 Manufacture profile cutters | Updated application for clarity; reworded element 1; revised knowledge evidence; updated unit code and title for clarity and compliance. | Equivalent unit |
| FWPCOT3215 Swage and shape saw blades | FWPCOT3294 Swage and shape saw blades | Updated environmental and workplace health and safety requirements; separated performance criteria into a new element; updated foundation skills; updated performance evidence to map to performance criteria; updated unit code to reflect changes and meet compliance. | Equivalent unit |
| FWPCOT3216 Assess and maintain saw performance | FWPCOT3282 Assess and maintain saw blade and sawing machine performance | Reworded application; revised performance criteria and evidence for mapping; renamed elements for clarity; updated unit code and title to reflect changes and for compliance. | Equivalent unit |
| FWPCOT3217 Assess and maintain cutter performance | FWPCOT3295  Assess and maintain cutter performance | Updated application; revised elements and performance criteria for clarity; revised list of relevant machines; reworded performance evidence. Vocational outcomes have not changed. | Equivalent unit |
| FWPCOT3225 Mechanically stress grade timber | FWPCOT3296 Mechanically stress grade timber | Updated performance criteria to match knowledge evidence regarding workplace health and safety requirements; updated foundation skills. | Equivalent unit |
| FWPCOT3230 Operate automated stacking equipment | FWPCOT3297 Operate automated stacking equipment | Updated workplace health and safety requirements to match across sections; updated foundation skills. | Equivalent unit |
| FWPCOT3233 Sharpen and align blades and knives | FWPCOT3283 Sharpen and position blades or knives in chipper, canter and reducer | Split element 5; reworded elements; revised performance criteria, performance evidence, knowledge evidence and assessment conditions; updated unit code and title to reflect changes and for compliance. | Equivalent unit |
| FWPCOT3237 Produce templates | FWPCOT3298 Produce templates | Updated performance criteria to reflect environmental and workplace health and safety requirements; separated performance criteria into a nw element and reworded the other elements; updated foundation skills; updated performance evidence to map to performance criteria; updated unit code to reflect changes and meet compliance. | Equivalent unit |
| FWPCOT3245 Grade, sort and mark materials | FWPCOT3284 Grade, sort and mark timber materials | Updated application statement; updated performance criteria to reflect environmental and workplace health and safety requirements; updated foundation skills; added performance evidence to map to performance criteria; updated unit title and code to reflect changes. | Equivalent unit |
| FWPCOT3247 Select timber for forestry operations | FWPCOT3285 Apply knowledge of wood technology principles to end use applications | Updated unit code and title to clarify task and for compliance. | Equivalent unit |
|  |  | Reworded performance evidence for clarity. | Equivalent unit |
| [FWPCOT3266 Dress timber using multi-headed machines](https://training.gov.au/Training/Details/FWPCOT3205) | FWPCOT3272 Set up and run multi-head moulder/planer to produce simple profiles | This unit and FWPCOT3273 have replaced FWPCOT3266 for creating specific skills required of operators using multi-head moulder/planer to produce timber with a simple profiles. | No equivalent unit |
| [FWPCOT3266 Dress timber using multi-headed machines](https://training.gov.au/Training/Details/FWPCOT3205) | FWPCOT3273 Set up and run multi-head moulder to produce complex profiles | This unit and FWPCOT3272 have replaced FWPCOT3266 for creating specific skills required of operators using multi-head moulder/planer to produce timber with complex profiles. | No equivalent unit |
| FWPHAR2203 Hook up felled trees (choker)  Release 2 | FWPHAR2203 Hook up felled trees (choker)  Release 1 | Minor edits to achieve consistency with wording in another FWPHAR unit; enable flexibility of the unit application; and provide clarification. | Equivalent unit |
| FWPHAR2204 Perform landing duties (chaser)  Release 2 | FWPHAR2204 Perform landing duties (chaser)  Release 1 | Minor edits to achieve consistency with wording in another FWPHAR unit; enable flexibility of the unit application; and provide clarification. | Equivalent unit |
| FWPHAR2207 Trim and cut harvested trees  Release 2 | FWPHAR2207 Trim and cut harvested trees  Release 1 | Minor edits to achieve consistency with wording in another FWPHAR unit; and enable flexibility of the unit application. | Equivalent unit |
| FWPHAR3201 Monitor log recovery (rigging slinger)  Release 2 | FWPHAR3201 Monitor log recovery (rigging slinger)  Release 1 | Minor edits to correct system errors (wrong performance criteria for element 4) and provide clarification. | Equivalent unit |
| FWPHAR3222 Use on-board computer systems for forwarder  Release 2 | FWPHAR3222 Use on-board computer systems for forwarder  Release 1 | Minor changes in text providing clarification without changing the requirements of the unit. | Equivalent unit |
| FWPSAW2207 Round softwood logs | FWPSAW2211 Round softwood logs | Updated workplace health and safety requirements in performance criteria and performance evidence; removed reference to scanners; updated foundation skills. | Equivalent unit |
| FWPSAW3201 Treat timber | FWPSAW3242 Treat timber | Reworded application statement and performance evidence for clarity; updated requirements regarding workplace health and safety and environmental protection in performance criteria and performance evidence to match knowledge evidence; updated foundation skills. | Equivalent unit |
| FWPSAW3202 Produce sawn green boards | FWPSAW3243 Produce sawn green boards | Updated workplace health and safety requirements in performance criteria and evidence; updated foundation skills. | Equivalent unit |
| FWPSAW3203 Break down logs | FWPSAW3230 Perform primary log breakdown | Updated unit title to focus unit on primary log breakdown process; revised elements performance criteria and evidence; updated foundation skills; clarified assessment requirements. | No equivalent unit |
| FWPSAW3204 Saw flitches and cants | FWPSAW3231 Perform secondary log breakdown | Updated unit title, application statement, elements and performance criteria to focus unit on secondary log breakdown process; updated foundation skills; clarified assessment requirements clarified assessment conditions. | No equivalent unit |
| FWPSAW3207 Sharpen band saws | FWPSAW3232 Sharpen band saw blades | Revised and split element 2; clarified performance evidence; minor edits to knowledge evidence; updated unit code and title for clarity and compliance. | Equivalent unit |
| FWPSAW3208 Sharpen circular saws | FWPSAW3233 Sharpen circular saw blades | Revised performance criteria and performance evidence to clarify tasks; minor updates to knowledge evidence; updated unit code and title for clarity and compliance. | Equivalent unit |
| FWPSAW3209 Align sawing production systems | FWPSAW3244 Align sawing production systems | Reworded application statement; updated element 3 and further specified tasks in element 4; updated performance criteria, knowledge evidence and assessment conditions for mapping. | Equivalent unit |
| FWPSAW3210 File and set saws | FWPSAW3234 File and set saw blades for hand saws and circular saws | Clarified the type of sawing equipment for which saw blades are filed and set; updated unit code and title to reflect application and for compliance. | Equivalent unit |
| FWPSAW3211 Recondition guides | FWPSAW3235 Recondition saw guides | Revised element 2 and performance criteria for clarity; updated performance evidence for mapping; updated unit code and title for clarity and compliance. | Equivalent unit |
| FWPSAW3212 Sharpen tipped circular saws | FWPSAW3236 Sharpen tipped circular saw blades | Split element 2; minor updates to the knowledge evidence; updated unit code and title for clarity and compliance. | Equivalent unit |
| FWPSAW3213 Level and tension circular saws | FWPSAW3237 Level and tension circular saw blades | Updated performance criteria to reflect environmental and workplace health and safety requirements; updated foundation skills;; updated unit code and title for clarity and compliance. | Equivalent unit |
| FWPSAW3214 Join band saw blades | FWPSAW3245 Join band saw blades | Reworded application statement; updated workplace health and safety requirements; removed performance criteria regarding removing blade from machine; added performance criteria to clarify process; split element 2; specified the types of band saw blades in performance evidence. | Equivalent unit |
| FWPSAW3217 Hard face saw teeth | FWPSAW3246 Hard face saw teeth | Reworded application; added performance criteria relating to workplace health and safety; revised performance evidence for mapping; updated foundation skills. | Equivalent unit |
| FWPSAW3218 Replace tungsten tips | FWPSAW3247 Replace tungsten tips | Renamed element; updated performance criteria; revised performance evidence for clarity; updated knowledge evidence. | Equivalent unit |
| FWPSAW3219 Replace stellite tips | FWPSAW3238 Replace Stellite tips | Revised performance criteria of element 3; clarified performance evidence; minor edits to knowledge evidence; corrected typographical error in the title and changed unit code for compliance. | Equivalent unit |
| FWPSAW3220 Maintain wide band saw blades | FWPSAW3239 Assess and maintain wide band saw blades | Reworded application statement for clarity; revised performance criteria of element 3; updated performance evidence for mapping; updated knowledge evidence and assessment conditions for clarity and mapping; updated unit code and title to reflect changes and for compliance. | Equivalent unit |
| FWPSAW3221 Profile saw blanks | FWPSAW3248 Profile saw blanks | Reworded application; added performance criteria relating to workplace health and safety; revised performance evidence for mapping; updated foundation skills. | Equivalent unit |
| FWPSAW3222 Recondition band mill wheels | FWPSAW3240 Assess and maintain band saw wheels | Updated unit code and title for clarity and compliance; revised workplace health and safety requirements; revised performance evidence for clarity and mapping. | Equivalent unit |
| FWPSAW3225 Maintain frame saw blades  Release 1 | Not applicable | Deleted unit. This unit has been deleted as it is no longer required. | Not applicable |
| FWPSAW3226 Saw logs using CNC optimising systems | FWPSAW3249 Saw logs using CNC optimising systems | Reworded application; added performance criteria relating to workplace health and safety; revised performance evidence for mapping; updated foundation skills. | Equivalent unit |
| FWPSAW3227 Select and saw logs in multi-species operations | FWPSAW3250 Select and saw logs in multi-species operations | Reworded Application statement for clarity; updated workplace health and safety requirements in Performance Criteria and Performance Evidence; added new Performance Criteria (PC 1.6, 1.7 and 1.8) to match Knowledge Evidence; updated Foundation Skills. | Equivalent unit |
| FWPSAW3228 Apply principles of blade design to sawing procedures | FWPSAW3251 Apply principles of blade design to sawing procedures | Updated performance criteria, performance evidence and knowledge evidence to reflect environmental and workplace health and safety requirements; updated foundation skills; updated unit code to reflect changes and meet compliance. | Equivalent unit |
| FWPTMM2202 Machine material | FWPTMM2204 Machine material | Reworded application; revised performance criteria and evidence for mapping; updated foundation skills; minor edits/updates to knowledge evidence. | Equivalent unit |
| FWPTMM3201 Convert timber | FWPTMM3210 Convert timber | Reworded application; added performance criteria relating to workplace health and safety; revised performance evidence for mapping; updated foundation skills. | Equivalent unit |
| FWPTMM3202 Manufacture using joinery machines | FWPTMM3211 Manufacture using joinery machines | Reworded application; added performance criteria relating to workplace health and safety; revised performance evidence for mapping; updated foundation skills | Equivalent unit |
| FWPTMM3203 Estimate and cost job | FWPTMM3212 Estimate and cost job | Updated industry terminology, workplace health and safety requirements and foundation skills; clarified intent of unit and assessment requirements. | Equivalent unit |
| FWPWPP2210 Cut panels to profile | FWPWPP2212 Cut panels to profile | Revised performance criteria to include workplace health and safety requirements; revised performance evidence for mapping; updated foundation skills. | Equivalent unit |

FWP Forest and Wood Products Training Package Version 4.0 to Version 3.0

Qualifications

*Mapping of qualifications from FWP Forest and Wood Products Training Package*

*Version 4.0 to Version 3.0*

| Code and title (Version 3.0) | Code and title (Version 4.0) | Comments | Equivalence statement |
| --- | --- | --- | --- |
| FWP30316 Certificate III in Sawmilling and Processing  Release 1 | FWP30316 Certificate III in Sawmilling and Processing  Release 2 | Updated to include revised units and superseded and deleted imported units | Equivalent |
| FWP30416 Certificate III in Wood Panel Products  Release 1 | FWP30416 Certificate III in Wood Panel Products  Release 2 | Updated to include revised units and superseded and deleted imported units | Equivalent |
| FWP30516 Certificate III in Timber Manufactured Products  Release 1 | FWP30516 Certificate III in Timber Manufactured Products  Release 2 | Updated to include revised units and superseded and deleted imported units | Equivalent |
| FWP30816 Certificate III in Woodmachining  Release 1 | FWP30816 Certificate III in Woodmachining  Release 2 | Updated to include revised and new units as well as superseded and deleted imported units | Equivalent |
| FWP30916 Certificate III in Timber Truss and Frame Design and Manufacture  Release 1 | FWP30916 Certificate III in Timber Truss and Frame Design and Manufacture  Release 2 | Updated to include revised and new units and superseded and deleted imported units | Equivalent |
| FWP40216 Certificate IV in Timber Processing  Release 1 | FWP40216 Certificate IV in Timber Processing  Release 2 | Updated to include revised units and superseded and deleted imported units | Equivalent |
| FWP40316 Certificate IV in Timber Truss and Frame Manufacture  Release 1 | FWP40316 Certificate IV in Timber Truss and Frame Manufacture  Release 2 | Updated to include revised units and superseded and deleted imported units | Equivalent |
| FWP40416 Certificate IV in Timber Truss and Frame Design  Release 1 | FWP40416 Certificate IV in Timber Truss and Frame Design  Release 2 | Updated to include revised units and superseded and deleted imported units | Equivalent |
| FWP50116 Diploma of Forest and Forest Products  Release 2 | FWP50116 Diploma of Forest and Forest Products  Release 3 | Updated to include revised and new units as well as superseded and deleted imported units | Equivalent |
| FWP50216 Diploma of Timber Truss and Frame Manufacture  Release 1 | FWP50216 Diploma of Timber Truss and Frame Manufacture  Release 2 | Updated to include revised and new units and superseded and deleted imported units | Equivalent |
| FWP50316 Diploma of Timber Truss and Frame Design  Release 1 | FWP50316 Diploma of Timber Truss and Frame Design  Release 2 | Updated to include revised and new units and superseded and deleted imported units | Equivalent |
| FWP60116 Advanced Diploma of Forest Industry Sustainability  Release 1 | FWP60116 Advanced Diploma of Forest Industry Sustainability  Release 2 | Updated to include revised units and superseded and deleted imported units | Equivalent |

Skill sets

*Mapping of skill sets from FWP Forest and Wood Products Training Package*

*Version 3.0 to Version 4.0*

No changes were applied to skill sets in Version 3.0 from Version 4.0.

Units of competency

*Mapping of units of competency from FWP Forest and Wood Products Training Package*

*Version 3.0 to Version 4.0*

| Code and title (Version 3) | Code and title (Version 4) | Comments | Equivalence statement |
| --- | --- | --- | --- |
| FWPCOR3204 Visually assess materials  Release 2 | FWPCOR3204 Visually assess materials  Release 3 | Rectified error in Foundation Skills | Equivalent |
| FWPCOT2230 Assemble products  Release 1 | FWPCOT2230 Assemble products  Release 2 | Updated workplace health and safety requirements in performance criteria; clarified intent of unit and assessment requirements; updated foundation skills; updated frequency and volume of the performance evidence. | Equivalent |
| FWPCOT3205 Dress boards using multi-headed machines | FWPCOT3266 Dress timber using multi-headed machines | Updated industry terminology, workplace health and safety requirements and foundation skills; clarified intent of the unit and assessment requirements; changed unit title and code for compliance and consistency with the updates | Equivalent |
| FWPCOT3228 Plane/sand panels | FWPCOT3268 Plane and sand engineered wood products | Updated industry terminology, workplace health and safety requirements and foundation skills; clarified intent of the unit and assessment requirements; changed unit title and code for compliance and consistency with the updates | Equivalent |
| FWPCOT3229 Mechanically stress grade panels | FWPCOT3267 Mechanically stress-grade engineered wood panels | Updated industry terminology, workplace health and safety requirements and foundation skills; clarified intent of the unit and assessment requirements; changed unit title and code for compliance and consistency with the updates | Equivalent |
| FWPCOT3230 Operate automated stacking equipment  Release 1 | FWPCOT3230 Operate automated stacking equipment  Release 2 | Updated workplace health and safety requirements and foundation skills; and clarified intent of unit and assessment requirements | Equivalent |
| FWPCOT3234 Cut material using CNC sizing machines  Release 1 | FWPCOT3234 Cut material using CNC sizing machines  Release 2 | Updated workplace health and safety requirements and foundation skills; clarified intent of unit and assessment requirements | Equivalent |
| FWPCOT3235 Machine material using CNC machining and processing centres  Release 2 | FWPCOT3235 Machine material using CNC machining and processing centres  Release 3 | Updated workplace health and safety requirements and foundation skills; clarified intent of unit and assessment requirements | Equivalent |
| FWPCOT3244 Cut material to profile | FWPCOT3265 Cut timber or engineered wood product to profile | Updated industry terminology, workplace health and safety requirements and foundation skills; clarified intent of the unit and assessment requirements; changed unit title and code for compliance and consistency with the updates | Equivalent |
| FWPCOT4203 Plan and coordinate product assembly  Release 1 | FWPCOT4203 Plan and coordinate product assembly  Release 2 | Updated workplace health and safety requirements, clarified intent of unit in application and updated foundation skills | Equivalent |
| FWPCOT6203 Develop engineered timber products to meet energy efficient building design needs | FWPCOT6210 Develop engineered wood products to meet energy efficient building design needs | Updated industry terminology, range of products in performance evidence and foundation skills; clarified intent of the unit and assessment requirements; changed unit title and code for compliance and consistency with the updates | Equivalent |
| FWPHAR3224 Operate crawler tractor  Release 1 | FWPHAR3224 Operate crawler tractor  Release 2 | Amended typographical error in Application | Equivalent |
| FWPSAW3216 Transfer wood chips  Release 1 | FWPSAW3216 Transfer wood chips  Release 2 | Metadata mapping corrected | Equivalent |
| FWPSAW4204 Plan and monitor board conversion | FWPSAW4205 Plan and monitor timber conversion | Updated industry terminology, workplace health and safety requirements and foundation skills; clarified intent of the unit and assessment requirements; changed unit title and code for compliance and consistency with the updates | Equivalent |
| Not applicable | FWPTMM3208 Apply critical workplace processes in the manufacture of prefabricated timber building systems | New unit | Not applicable |
| Not applicable | FWPTMM3209 Install prefabricated timber building systems on-site | New unit | Not applicable |
| FWPTMM4201 Construct prototypes and samples | FWPTMM4208 Construct prototypes and samples for timber structures | Updated workplace health and safety requirements and foundation skills; clarified intent of the unit and assessment requirements; changed unit title and code for compliance and consistency with the updates | Equivalent |
| FWPTMM5201 Assess product feasibility of designs | FWPTMM5207 Assess timber product designs for feasibility | Updated range of products in performance evidence and foundation skills; clarified intent of unit; updated frequency and volume of the performance evidence; changed unit title and code for consistency with the updates and compliance | Equivalent |
| FWPTMM5203 Generate and transfer complex computer-aided drawings and specifications  Release 1 | FWPTMM5203 Generate and transfer complex computer-aided drawings and specifications  Release 2 | Clarified intent of unit in application, updated foundation skills | Equivalent |
| FWPTMM5204 Manage product design | FWPTMM5208 Manage timber product design | Clarified intent of unit; updated foundation skills; changed unit title and code for consistency with the updates and compliance | Equivalent |
| FWPTMM5205 Optimise CNC operations  Release 1 | FWPTMM5205 Optimise CNC operations  Release 2 | Updated workplace health and safety requirements and foundation skills; clarified intent of unit and assessment requirements | Equivalent |
| FWPTMM5206 Plan production  Release 1 | FWPTMM5206 Plan production  Release 2 | Clarified intent of unit in application; updated foundations skills | Equivalent |
| Not applicable | FWPTMM5209 Determine prefabricated timber building systems designs for compliance, manufacture and installation | New unit | Not applicable |
| Not applicable | FWPTMM5210 Verify compliance and conformance of prefabricated timber building systems during manufacture | New unit | Not applicable |
| FWPWPP3206 Laminate and veneer board surfaces | FWPWPP3232 Operate a heat roll bonding machine to laminate or veneer engineered wood panel surfaces | Updated industry terminology, workplace health and safety requirements and foundation skills; clarified intent of the unit and assessment requirements; changed unit title and code for compliance and consistency with the updates | Equivalent |
| FWPWPP3209 Prepare resin and additives  Release 1 | FWPWPP3209 Prepare resin and additives  Release 2 | Updated industry terminology, workplace health and safety requirements and foundation skills; clarified intent of the unit and assessment requirements | Equivalent |
| FWPWPP3210 Laminate board | FWPWPP3233 Operate a laminating press for engineered wood panels | Updated industry terminology, workplace health and safety requirements and foundation skills; clarified intent of the unit and assessment requirements; changed unit title and code for compliance and consistency with the updates | Equivalent |
| FWPWPP3212 Dry material  Release 1 | FWPWPP3212 Dry material  Release 2 | Rectified error in Assessment Conditions | Equivalent |
| FWPWPP3219 Blend and test binding mixes  Release 1 | FWPWPP3219 Blend and test binding mixes  Release 2 | Updated industry terminology, workplace health and safety requirements and foundation skills; clarified intent of the unit and assessment requirements | Equivalent |
| FWPWPP3221 Trim new panels to size | FWPWPP3235 Trim new engineered wood panels to size | Updated industry terminology, workplace health and safety requirements and foundation skills; clarified intent of the unit and assessment requirements; changed unit title and code for compliance and consistency with the updates | Equivalent |
| FWPWPP3226 Operate a continuous press | FWPWPP3234 Operate a continuous press for the production of engineered wood panels | Updated industry terminology, workplace health and safety requirements and foundation skills; clarified intent of the unit and assessment requirements; changed unit title and code for compliance and consistency with the updates | Equivalent |
| FWPWPP4201 Plan and coordinate panel production | FWPWPP4203 Plan and coordinate engineered wood panel production | Updated industry terminology, workplace health and safety requirements and foundation skills; clarified intent of the unit and assessment requirements; changed unit title and code for compliance and consistency with the updates | Equivalent |

FWP Forest and Wood Products Training Package Version 3.0 to Version 2.0

Qualifications

*Mapping of qualifications from FWP Forest and Wood Products Training Package*

*Version 3.0 to Version 2.0*

| Code and title (Version 2.0) | Code and title (Version 3.0) | Comments | Equivalence statement |
| --- | --- | --- | --- |
| FWP20116 Certificate II in Forest Growing and Management | FWP20116 Certificate II in Forest Growing and Management | Updated to include revised units and superseded and deleted imported units | Equivalent |
| FWP20216 Certificate II in Harvesting and Haulage | FWP20216 Certificate II in Harvesting and Haulage | Updated to include revised units and superseded and deleted imported units | Equivalent |
| FWP20316 Certificate II in Sawmilling and Processing | FWP20316 Certificate II in Sawmilling and Processing | Updated to include revised units and superseded and deleted imported units | Equivalent |
| FWP20416 Certificate II in Wood Panel Products | FWP20416 Certificate II in Wood Panel Products | Updated to include revised units and superseded and deleted imported units | Equivalent |
| FWP30116 Certificate III in Forest Growing and Management | FWP30116 Certificate III in Forest Growing and Management | Updated to include revised units and superseded and deleted imported units | Equivalent |
| FWP30216 Certificate III in Harvesting and Haulage | FWP30216 Certificate III in Harvesting and Haulage | Updated to include revised units and superseded and deleted imported units | Equivalent |
| FWP50116 Diploma of Forest and Forest Products | FWP50116 Diploma of Forest and Forest Products | Updated to include revised units and superseded and deleted imported units | Equivalent |

Skill sets

*Mapping of skill sets from FWP Forest and Wood Products Training Package   
Version 3.0 to Version 2.0*

| Code and title (Version 2.0) | Code and title (Version 3.0) | Comments | Equivalence statement |
| --- | --- | --- | --- |
| [FWPSS00010](http://training.gov.au/Training/Details/FWPSS00010) Skill set for a boom delimber operator | Not applicable | Deleted skill set | Not applicable |
| FWPSS00011 Skill set for a crawler/dozer operator | FWPSS00032 Skill set for a crawler tractor operator | Code and title change as the skill set includes one improved unit | No equivalent skill set |
| FWPSS00012 Skill set for a feller buncher operator | FWPSS00033 Skill set for a feller buncher operator | Code change as the skill set includes one improved unit | No equivalent skill set |
| FWPSS00013 Skill set for a forwarder operator | FWPSS00034 Skill set for a forwarder operator | Code change as the skill set includes one improved unit | No equivalent skill set |
| FWPSS00015 Skill set for a loader operator | FWPSS00035 Skill set for a loader operator | Code change as the skill set includes one improved unit | No equivalent skill set |
| FWPSS00016 Skill set for a mechanical processor operator | FWPSS00016 Skill set for a mechanical processor operator | It was updated to reflect one revised unit of competency: FWPHAR3210 | Equivalent skill set |
| FWPSS00019 Skill set for a single grip harvester operator | FWPSS00036 Skill set for a single grip harvester operator | Code change as the skill set includes one improved unit | No equivalent skill set |
| FWPSS00020 Skill set for a skidder operator | FWPSS00037 Skill set for a skidder operator | Code change as the skill set includes one improved unit | No equivalent skill set |
| FWPSS00021 Skill set for an excavator operator | FWPSS00038 Skill set for an excavator with log grapple operator | Code and title change as the skill set includes one improved unit | No equivalent skill set |

Units of competency

*Mapping of units of competency from FWP Forest and Wood Products Training Package   
Version 3.0 to Version 2.0*

| Code and title (Version 2.0) | Code and title (Version 3.0) | Comments | Equivalence statement |
| --- | --- | --- | --- |
| FWPCOR3204 Visually assess materials  Release 1 | FWPCOR3204 Visually assess materials  Release 2 | Minor typographical errors corrected | Equivalent unit |
| FWPCOT2203 Finish products  Release 1 | FWPCOT2203 Finish products  Release 1 | Minor typographical errors corrected | Equivalent unit |
| FWPCOT2226 Debark logs mechanically Release 1 | FWPCOT2226 Debark logs mechanically Release 2 | One new PC1.5 added and PC1.4 edited to align with existing KE. Minor additions to the foundation skills. | Equivalent unit |
| FWPCOT2228 Store materials  Release 1 | FWPCOT2228 Store materials  Release 2 | Assessment conditions updated | Equivalent unit |
| FWPCOT2239 Trim and cut felled trees Release 1 | FWPCOT2239 Trim and cut felled trees Release 2 | Minor typographical errors corrected | Equivalent unit |
| FWPCOT2223 Segregate and sort logs | FWPCOT2242 Segregate and sort logs | Significant changes to reflect industry requirements for a safe and appropriate operation. New PCs were added, most PCs were edited and PE and KE increased in content to map against the revised PCs.  Additional foundation skills identified.  Code change to reflect outcomes of unit. | No equivalent unit |
| FWPCOT3202 Navigate in remote or trackless areas Release 1 | FWPCOT3202 Navigate in remote or trackless areas Release 2 | Minor typographical errors corrected | Equivalent unit |
| FWPCOT3209 Set up, operate and maintain end matching operations Release 1 | FWPCOT3209 Set up, operate and maintain end matching operations Release 2 | Minor formatting errors corrected. | Equivalent unit |
| FWPCOT3219 Produce standard truss or frame plans and details using computers Release 1 | FWPCOT3219 Produce standard truss or frame plans and details using computers Release 2 | Updated unit sector information | Equivalent unit |
| FWPCOT3223 Grade and mark logs | FWPCOT3270 Grade and mark logs | Significant changes to reflect industry requirements for a safe and appropriate operation. New PCs were added, most PCs were edited and PE and KE increased in content to map against the revised PCs.  Additional foundation skills identified.  Code change to reflect outcomes of unit. | No equivalent unit |
| FWPCOT3235 Machine material using CNC machining and processing centres Release 1 | FWPCOT3235 Machine material using CNC machining and processing centres Release 2 | Minor typographical errors corrected | Equivalent unit |
| FWPCOT3238 Operate a pole saw Release 1 | FWPCOT3238 Operate a pole saw Release 2 | Minor typographical errors corrected. | Equivalent unit |
| FWPCOT3241 Assemble timber wall frames Release 1 | FWPCOT3241 Assemble timber wall frames Release 2 | Minor typographical errors corrected. | Equivalent unit |
| FPICOT3245 Grade, sort and mark material Release 1 | FWPCOT3245 Grade, sort and mark material Release 2 | Updated unit sector information and corrected typographical errors | Equivalent unit |
| FWPCOT3252 Use environmental care procedures to undertake fire salvage operations Release 1 | FWPCOT3252 Use environmental care procedures to undertake fire salvage operations Release 2 | Minor typographical errors corrected. | Equivalent unit |
| FWPCOT3255 Apply silvicultural principles Release 1 | FWPCOT3255 Apply silvicultural principles Release 2 | Minor typographical errors corrected | Equivalent unit |
| FWPCOT3263 Maintain and contribute to energy efficiency Release 1 | FWPCOT3263 Maintain and contribute to energy efficiency Release 2 | Minor typographical errors corrected | Equivalent unit |
| FWPCOT4202 Design timber structures Release 1 | FWPCOT4202 Design timber structures Release 2 | Minor typographical errors corrected | Equivalent unit |
| FWPCOT5206 Implement forestry chain of custody certification system Release 1 | FWPCOT5206 Implement forestry chain of custody certification system Release 2 | Minor typographical errors corrected | Equivalent unit |
| FWPFGM2214 Maintain visitor sites Release 1 | FWPFGM2214 Maintain visitor sites Release 2 | Minor typographical errors corrected | Equivalent unit |
| FWPFGM3211 Manage coppice stems Release 2 | FWPFGM3211 Manage coppice stems Release 2 | Application section and minor typographical errors corrected | Equivalent unit |
| FWPFGM5213 Coordinate plantation tending operations Release 1 | FWPFGM5213 Coordinate plantation tending operations Release 2 | Minor typographical errors corrected | Equivalent unit |
| FWPHAR3208 Conduct boom delimber operations | Not applicable | Deleted as the technology is no longer used in Australia | Not applicable |
| FWPHAR3210 Conduct mechanical processor operations Release 1 | FWPHAR3210 Conduct mechanical processor operations Release 2 | Minor additions to the foundation skills, with no other changes. | Equivalent unit |
| FWPHAR3221 Harvest trees manually (advanced) Release 1 | FWPHAR3221 Harvest trees manually (advanced) Release 2 | Minor typographical errors corrected | Equivalent unit |
| FWPHAR3222 Use on-board computer systems for forwarder | FWPHAR3222 Use on-board computer systems for forwarder | New unit | No equivalent unit |
| FWPHAR3223 Use on-board computer systems for single grip harvester | FWPHAR3223 Use on-board computer systems for single grip harvester | New unit | No equivalent unit |
| FWPHAR3216 Conduct forestry operations using crawler tractor | FWPHAR3224 Operate crawler tractor | Significant changes to reflect industry requirements for a safe, appropriate and efficient operation, including product quality. New PCs were added, some PCs were edited and PE and KE increased in content to map against the revised PCs.  Additional foundation skills identified.  Code and title change for consistency with other machine operation units. | No equivalent unit |
| FWPHAR3219 Conduct excavator operations with grabs | FWPHAR3225 Operate excavator with log grapple | Significant changes to reflect industry requirements for a safe, appropriate and efficient operation, including product quality. A new element and new PCs were added, most PCs were edited and PE and KE increased in content to map against the revised PCs.  Additional foundation skills identified.  Code and title change for consistency with industry terminology and other machine operation units. | No equivalent unit |
| FWPHAR3207 Conduct feller buncher operations | FWPHAR3226 Operate feller buncher | Significant changes to reflect industry requirements for a safe appropriate and efficient operation, including value recovery and product quality. A new element and new PCs were added, most PCs were edited and PE and KE increased in content to map against the revised PCs.  Additional foundation skills identified.  Code and title change for consistency with other machine operation units. | No equivalent unit |
| FWPHAR3206 Conduct forwarder operations | FWPHAR3227 Operate forwarder | Significant changes to reflect industry requirements for a safe, appropriate and efficient operation, including product quality. A new element and new PCs were added, most PCs were edited and PE and KE increased in content to map against the revised PCs.  Additional foundation skills identified.  Code and title change to reflect outcomes of unit and consistency with other machine operation units. | No equivalent unit |
| FWPHAR3218 Conduct loader operations | FWPHAR3228 Operate loader | Significant changes to reflect industry requirements for a safe, appropriate and efficient operation, including product quality. A new element and new PCs were added, most PCs were edited and PE and KE increased in content to map against the revised PCs.  Additional foundation skills identified.  Code and title change for consistency with other machine operation units. | No equivalent unit |
| FWPHAR3217 Conduct skidder operations | FWPHAR3230 Operate skidder | Significant changes to reflect industry requirements for a safe, appropriate and efficient operation, including product quality. New PCs were added, some PCs were edited and PE and KE increased in content to map against the revised PCs.  Additional foundation skills identified.  Code and title change for consistency with other machine operation units. | No equivalent unit |
| FWPHAR3211 Operate yarder | FWPHAR3231 Operate yarder | Significant changes to reflect industry requirements for a safe, appropriate and efficient operation, including product quality. New PCs were added, some PCs were edited and PE and KE increased in content to map against the revised PCs.  Additional foundation skills identified.  Code change. | No equivalent unit |
| FWPHAR3214 Operate a single grip harvester | FWPHAR3229 Operate single grip harvester | Significant changes to reflect industry requirements for a safe appropriate and efficient operation, including value recovery and product quality. A new element and new PCs were added, most PCs were edited and PE and KE increased in content to map against the revised PCs.  Additional foundation skills identified.  Code and title change for consistency with other machine operation units. | No equivalent unit |
| FWPSAW2208 Split wood products Release 1 | FWPSAW2208 Split wood products Release 2 | Minor typographical errors corrected. | Equivalent unit |
| FWPSAW3204 Saw flitches and cants Release 1 | FWPSAW3204 Saw flitches and cants Release 2 | Minor typographical errors corrected. | Equivalent unit |
| FWPSAW3210 File and set saws Release 1 | FWPSAW3210 File and set saws Release 2 | Minor typographical errors corrected. | Equivalent unit |
| FWPSAW3212 Sharpen tipped circular saws Release 1 | FWPSAW3212 Sharpen tipped circular saws Release 2 | Minor typographical errors corrected. | Equivalent unit |
| FWPSAW3213 Level and tension circular saws | FWPSAW3213 Level and tension circular saws | Minor typographical errors corrected. | Equivalent unit |
| FWPSAW3214 Join band saw blades Release 1 | FWPSAW3214 Join band saw blades Release 2 | Minor typographical errors corrected. | Equivalent unit |
| FWPSAW3217 Hard face saw teeth Release 1 | FWPSAW3217 Hard face saw teeth Release 2 | Minor typographical errors corrected. | Equivalent unit |
| FWPSAW3218 Replace tungsten tips Release 1 | FWPSAW3218 Replace tungsten tips Release 2 | Minor typographical errors corrected. | Equivalent unit |
| FPISAW3220 Maintain wide band saw blades Release 1 | FPISAW3220 Maintain wide band saw blades Release 2 | Minor typographical and formatting errors corrected | Equivalent unit |
| FWPSAW3221 Profile saw blanks Release 1 | FWPSAW3221 Profile saw blanks Release 2 | Minor typographical errors corrected. | Equivalent unit |
| FWPSAW3228 Apply principles of blade design to sawing procedures Release 1 | FWPSAW3228 Apply principles of blade design to sawing procedures Release 2 | Minor typographical errors corrected. | Equivalent unit |
| FWPTMM5202 Develop, trial and evaluate prototypes Release 1 | FWPTMM5202 Develop, trial and evaluate prototypes Release 2 | Minor typographical errors corrected. | Equivalent unit |

FWP Forest and Wood Products Training Package Version 2.0 to previous versions

Qualifications

|  |  |  |  |
| --- | --- | --- | --- |
| *FWP Forest and Wood Products Training Package Version 2.0*  *Mapping of qualifications* | | | |
| Code and title  (FWP Version 1.0) | Code and title  (FWP Version 2.0) | Comments | Equivalence |
| FWP60114 Advanced Diploma of Forest Industry Sustainability R1 | FWP60114 Advanced Diploma of Forest Industry Sustainability R1 |  | Equivalent |

| *FWP Forest and Wood Products Training Package Version 2.0*  *Mapping of qualifications* | | | |
| --- | --- | --- | --- |
| Code and title  (FPI11 Version 2.3) | Code and title  (FWP Version 2.0) | Comments | Equivalence |
| FPI10111 Certificate I in Forest and Forest Products R3 | FWP10116 Certificate I in Forest and Forest Products R1 |  | Equivalent |
| FPI20111 Certificate II in Forest Growing and Management R5  FPI20113 Certificate II in Forest Growing and Management R3 | FWP20116 Certificate II in Forest Growing and Management R1 |  | Equivalent |
| FPI20211 Certificate II in Harvesting and Haulage R5  [FPI20213 Certificate II in Harvesting and Haulage](file://fw-fs1/Training/Details/FPI20213) R3 | FWP20216 Certificate II in Harvesting and Haulage R1 |  | Equivalent |
| FPI20311 Certificate II in Sawmilling and Processing R4 | FWP20316 Certificate II in Sawmilling and Processing R1 |  | Equivalent |
| FPI20411 Certificate II in Wood Panel Products R4 | FWP20416 Certificate II in Wood Panel Products R1 |  | Equivalent |
| FPI20511 Certificate II in Timber Manufactured Products R4 | FWP20516 Certificate II in Timber Manufactured Products R1 |  | Equivalent |
| FPI20611 Certificate II in Timber Merchandising R4 | FWP20616 Certificate II in Timber Merchandising R1 |  | Equivalent |
| FPI20711 Certificate II in Timber Truss and Frame Design and Manufacture R4 | FWP20716 Certificate II in Timber Truss and Frame Design and Manufacture R1 |  | Equivalent |
| FPI30111 Certificate III in Forest Growing and Management R4  FPI30113 Certificate III in Forest Growing and Management R3 | FWP30116 Certificate III in Forest Growing and Management R1 |  | Equivalent |
| FPI30211 Certificate III in Harvesting and Haulage R4  FPI30213 Certificate III in Harvesting and Haulage R3 | FWP30216 Certificate III in Harvesting and Haulage R1 |  | Equivalent |
| FPI30311 Certificate III in Sawmilling and Processing R4 | FWP30316 Certificate III in Sawmilling and Processing R1 |  | Equivalent |
| FPI30411 Certificate III in Wood Panel Products R4 | FWP30416 Certificate III in Wood Panel Products R1 |  | Equivalent |
| FPI30511 Certificate III in Timber Manufactured Products R4 | FWP30516 Certificate III in Timber Manufactured Products R1 |  | Equivalent |
| FPI30611 Certificate III in Timber Merchandising R4 | FWP30616 Certificate III in Timber Merchandising R1 | Unit selection more closely aligned to industry needs. See the following mapping table | Equivalent |
| FPI30711 Certificate III in Sawdoctoring R3 | FWP30716 Certificate III in Sawdoctoring R1 |  | Equivalent |
| FPI30811 Certificate III in Woodmachining R3 | FWP30816 Certificate III in Woodmachining R1 |  | Equivalent |
| FPI30911 Certificate III in Timber Truss and Frame Design and Manufacture R4 | FWP30916 Certificate III in Timber Truss and Frame Design and Manufacture R1 |  | Equivalent |
| FPI40111 Certificate IV in Forest Operations R4 | FWP40116 Certificate IV in Forest Operations R1 |  | Equivalent |
| FPI40211 Certificate IV in Timber Processing R4 | FWP40216 Certificate IV in Timber Processing R1 |  | Equivalent |
| FPI40311 Certificate IV in Timber Truss and Frame Manufacture R4 | FWP40316 Certificate IV in Timber Truss and Frame Manufacture R1 |  | Equivalent |
| FPI40411 Certificate IV in Timber Truss and Frame Design R4 | FWP40416 Certificate IV in Timber Truss and Frame Design R1 |  | Equivalent |
| FPI50111 Diploma of Forest and Forest Products R3 | FWP50116 Diploma of Forest and Forest Products R1 |  | Equivalent |
| FPI50311 Diploma of Timber Truss and Frame Manufacture R3 | FWP50316 Diploma of Timber Truss and Frame Manufacture R1 |  | Equivalent |
| FPI50411 Diploma of Timber Truss and Frame Design R3 | FWP50416 Diploma of Timber Truss and Frame Design R1 |  | Equivalent |

Skill sets

| *FWP Forest and Wood Products Training Package Version 2.0*  *Mapping of skill sets* | | |
| --- | --- | --- |
| Code and title  (FWP Version 1.0) | Code and title  (FWP Version 2.0) | Equivalence |
| FPISS00033 Skill set for forest and wood product innovation for leaders | FWPSS00033 Skill set for forest and wood product innovation for leaders | Equivalent |
| FPISS00034 Skill set for forest and wood product innovation for managers | FWPSS00034 Skill set for forest and wood product innovation for managers | Equivalent |
| FPISS00035 Skill set for supporting forest and wood products innovation | FWPSS00035 Skill set for supporting forest and wood products innovation | Equivalent |
| FPISS00036 Skill set for managing change in the forest and wood products industry | FWPSS00036 Skill set for managing change in the forest and wood products industry | Equivalent |
| FPISS00037 Skill set for forest and wood products industry stakeholder engagement | FWPSS00037 Skill set for forest and wood products industry stakeholder engagement | Equivalent |
| FPISS00038 Skill set for supporting workplace engagement in the forest and wood products industry | FWPSS00038 Skill set for supporting workplace engagement in the forest and wood products industry | Equivalent |
| FPISS00039 Skill set for leading business development in the forest and wood products industry | FWPSS00039 Skill set for leading business development in the forest and wood products industry | Equivalent |
| FPISS00040 Skill set for managing business development in the forest and wood products industry | FWPSS00040 Skill set for managing business development in the forest and wood products industry | Equivalent |
| FPISS00041 Skill set for supporting business development in the forest and wood products industry | FWPSS00041 Skill set for supporting business development in the forest and wood products industry | Equivalent |

| *FWP Forest and Wood Products Training Package Version 2.0*  *Mapping of skill sets* | | |
| --- | --- | --- |
| Code and title  (FPI11 Version 2.3) | Code and title  (FWP Version 2.0) | Equivalence |
| FPISS00011 Skill set for a boom delimber operator | FWPSS00011 Skill set for a boom delimber operator | Equivalent |
| FPISS00012 Skill set for a crawler/dozer operator | FWPSS00012 Skill set for a crawler/dozer operator | Equivalent |
| FPISS00013 Skill set for a feller buncher operator | FWPSS00013 Skill set for a feller buncher operator | Equivalent |
| FPISS00014 Skill set for a forwarder operator | FWPSS00014 Skill set for a forwarder operator | Equivalent |
| FPISS00015 Skill set for a heavy production mobile chipper operator | FWPSS00015 Skill set for a heavy production mobile chipper operator | Equivalent |
| FPISS00016 Skill set for a loader operator | FWPSS00016 Skill set for a loader operator | Equivalent |
| FPISS00017 Skill set for a mechanical processor operator | FWPSS00017 Skill set for a mechanical processor operator | Equivalent |
| FPISS00018 Skill set for a native forest operator | FWPSS00018 Skill set for a native forest operator | Equivalent |
| FPISS00019 Skill set for a plantation forest operator | FWPSS00019 Skill set for a plantation forest operator | Equivalent |
| FPISS00020 Skill set for a single grip harvester operator | FWPSS00020 Skill set for a single grip harvester operator | Equivalent |
| FPISS00021 Skill set for a skidder operator | FWPSS00021 Skill set for a skidder operator | Equivalent |
| FPISS00022 Skill set for an excavator operator | FWPSS00022 Skill set for an excavator operator | Equivalent |
| FPISS00023 Skill set for fire salvage operations | FWPSS00023 Skill set for fire salvage operations | Equivalent |
| FPISS00024 Skill set for off road four wheel drive operations | FWPSS00024 Skill set for off road four wheel drive operations | Equivalent |
| FPISS00025 Skill set for soil and water protection (roading) | FWPSS00025 Skill set for soil and water protection (roading) | Equivalent |
| FPISS00026 Skill set for carbon accounting | FWPSS00026 Skill set for carbon accounting | Equivalent |
| FPISS00027 Skill set for a forestry log truck driver | FWPSS00027 Skill set for a forestry log truck driver | Equivalent |
| FPISS00028 Skill set for a forestry produce truck driver | FWPSS00028 Skill set for a forestry produce truck driver | Equivalent |
| FPISS00029 Skill set for a finger jointing plant operator | FWPSS00029 Skill set for a finger jointing plant operator | Equivalent |
| FPISS00030 Skill set for a finger jointing moulder operator | FWPSS00030 Skill set for a finger jointing moulder operator | Equivalent |
| FPISS00031 Skill set for a finger jointing grader operator | FWPSS00031 Skill set for a finger jointing grader operator | Equivalent |
| FPISS00032 Skill set for a finger jointing quality control tester | FWPSS00032 Skill set for a finger jointing quality control tester | Equivalent |

Units of competency

| *FWP Forest and Wood Products Training Package Version 2.0*  *Mapping of units of competency* | | |
| --- | --- | --- |
| Code and title  (FWP Version 1.0) | Code and title  (FWP Version 2.0) | Equivalence |
| FWPCOR6201 Manage sustainability in the workplace | FWPCOR6201 Manage sustainability in the workplace | Equivalent |
| FWPCOR6202 Implement practices to maximise value from wood residues | FWPCOR6202 Implement practices to maximise value from wood residues | Equivalent |
| FWPCOT4208 Implement workplace sustainability practices | FWPCOT4208 Implement workplace sustainability practices | Equivalent |
| FWPCOT5201 Implement sustainable forestry practices | FWPCOT5201 Implement sustainable forest practices | Equivalent |
| FWPCOT5202 Manage forestry information and interpretations programs | FWPCOT5202 Manage forestry information and interpretations programs | Equivalent |
| FWPCOT5205 Develop biohazard contingency plans | FWPCOT5205 Develop biohazard contingency plans | Equivalent |
| FWPCOT5206 Implement forestry chain of custody certification system | FWPCOT5206 Implement forestry chain of custody certification system | Equivalent |
| FWPCOT5207 Implement sustainability in the workplace | FWPCOT5207 Implement sustainability in the workplace | Equivalent |
| FWPCOT5208 Build and maintain community relationships | FWPCOT5208 Build and maintain community relationships | Equivalent |
| FWPCOT5209 Manage tree harvesting to minimise environmental impact | FWPCOT5209 Manage tree harvesting to minimise environmental impact | Equivalent |
| FWPCOT6201 Manage community engagement | FWPCOT6201 Manage community engagement | Equivalent |
| FWPCOT6202 Develop and manage a forestry chain of custody certification process for the workplace | FWPCOT6202 Develop and manage a forestry chain of custody certification process for the workplace | Equivalent |
| FWPCOT6203 Develop engineered timber products to meet energy efficient building design needs | FWPCOT6203 Develop engineered timber products to meet energy efficient building design needs | Equivalent |
| FWPCOT6204 Use carbon accounting to estimate emissions in the workplace | FWPCOT6204 Use carbon accounting to estimate emissions | Equivalent |
| FWPCOT6205 Prepare an enterprise carbon management report | FWPCOT6205 Prepare an enterprise carbon management report | Equivalent |
| FWPCOT6207 Develop forest management systems and processes | FWPCOT6207 Develop forest management systems and processes | Equivalent |
| FWPCOT6208 Manage innovative thinking and practice in the forest and wood products industry | FWPCOT6208 Manage innovative thinking and practice in the forest and wood products industry | Equivalent |
| FWPCOT6209 Manage forest and wood products industry research | FWPCOT6209 Manage forest and wood products industry research | Equivalent |
| FWPCOT8101 Lead forest and wood products industry innovative thinking and practice | FWPCOT8101 Lead forest and wood products industry innovative thinking and practice | Equivalent |
| FWPCOT8102 Initiate and lead a forest and wood products industry innovation | FWPCOT8102 Initiate and lead a forest and wood products industry innovation | Equivalent |
| FWPFGM5217 Promote plantations as a sustainable form of land use | FWPFGM5217 Promote plantations as a sustainable form of land use | Equivalent |
| FWPFGM5219 Undertake carbon stock sampling of forests and plantations | FWPFGM5219 Undertake carbon stock sampling of forests and plantations | Equivalent |
| FWPFGM6201 Plan a bio-char storage system for carbon capture and storage | FWPFGM6201 Plan a bio-char storage system for carbon capture and storage | Equivalent |
| FWPFGM6203 Manage sustainable tree inventory | FWPFGM6203 Manage sustainable tree inventory | Equivalent |

| *FWP Forest and Wood Products Training Package Version 2.0*  *Mapping of units of competency* | | |
| --- | --- | --- |
| Unit code and title  (FPI11 Version 2.3) | Unit code and title  (FWP Version 2.0) | Equivalence |
| FPICOR2201B Work effectively in the forest and forest products industry | FWPCOR2201 Work effectively in the forest and forest products industry | Equivalent |
| FPICOR2202B Communicate and interact effectively in the workplace | FWPCOR2202 Communicate and interact effectively in the workplace | Equivalent |
| FPICOR2203B Follow environmental care procedures | FWPCOR2203 Follow environmental care procedures | Equivalent |
| FPICOR2204B Follow fire prevention procedures | FWPCOR2204 Follow fire prevention procedures | Equivalent |
| FPICOR2205B Follow WHS policies and procedures | FWPCOR2205 Follow WHS policies and procedures | Equivalent |
| FPICOR2207B Maintain quality and product care | FWPCOR2207 Maintain quality and product care | Equivalent |
| FPICOR3201B Implement safety, health and environment policies and procedures | FWPCOR3201 Implement safety, health and environment policies and procedures | Equivalent |
| FPICOR3202B Conduct quality and product care procedures | FWPCOR3202 Conduct quality and product care procedures | Equivalent |
| FPICOR3203B Evaluate fire potential and prevention | FWPCOR3203 Evaluate fire potential and prevention | Equivalent |
| FPICOR3204B Visually assess materials | FWPCOR3204 Visually assess materials | Equivalent |
| FPICOR4201B Monitor safety, health and environment policies and procedures | FWPCOR4201 Monitor safety, health and environment policies and procedures | Equivalent |
| FPICOR4202B Monitor and review forestry operations | FWPCOR4202 Monitor and review forestry operations | Equivalent |
| FPICOR4203B Monitor quality and product care procedures | FWPCOR4203 Monitor quality and product care procedures | Equivalent |
| FPICOT2201B Stack and bind material | FWPCOT2201 Stack and bind material | Equivalent |
| FPICOT2202B Rack material | FWPCOT2202 Rack material | Equivalent |
| FPICOT2203B Finish products | FWPCOT2203 Finish and pack products | Equivalent |
| FPICOT2205B Tail out materials | FWPCOT2205 Tail out materials | Equivalent |
| FPICOT2207B Dress boards and timber | FWPCOT2207 Dress boards and timber | Equivalent |
| FPICOT2208B Resaw boards and timber | FWPCOT2208 Resaw boards and timber | Equivalent |
| FPICOT2209B Produce finger jointed timber | FWPCOT2209 Produce finger jointed timber | Equivalent |
| FPICOT2210B Tally material | FWPCOT2210 Tally material | Equivalent |
| FPICOT2211B Produce pointed timber products | FWPCOT2211 Produce pointed timber products | Equivalent |
| FPICOT2212B Grade hardwood sawn and milled products | FWPCOT2212 Grade hardwood sawn and milled products | Equivalent |
| FPICOT2213B Grade softwood sawn and milled products | FWPCOT2213 Grade softwood sawn and milled products | Equivalent |
| FPICOT2214B Grade cypress sawn and milled products | FWPCOT2214 Grade cypress sawn and milled products | Equivalent |
| FPICOT2215B Visually stress grade hardwood | FWPCOT2215 Visually stress grade hardwood | Equivalent |
| FPICOT2216B Visually stress grade softwood | FWPCOT2216 Visually stress grade softwood | Equivalent |
| FPICOT2217B Visually stress grade cypress | FWPCOT2217 Visually stress grade cypress | Equivalent |
| FPICOT2218B Cross cut materials with a fixed saw | FWPCOT2218 Cross cut materials with a fixed saw | Equivalent |
| FPICOT2219B Use hand-held tools | FWPCOT2219 Use hand-held tools | Equivalent |
| FPICOT2220B Select trees for tending operations | FWPCOT2220 Select trees for tending operations | Equivalent |
| FPICOT2222B Produce laminated beams | FWPCOT2222 Produce laminated beams | Equivalent |
| FPICOT2223B Segregate and sort logs | FWPCOT2223 Segregate and sort logs | Equivalent |
| FPICOT2224B Band edges of panels | FWPCOT2224 Band edges of panels | Equivalent |
| FPICOT2225B Chip or flake wood | FWPCOT2225 Chip or flake wood | Equivalent |
| FPICOT2226B Debark logs mechanically | FWPCOT2226 Debark logs mechanically | Equivalent |
| FPICOT2227B Process orders and despatch products | FWPCOT2227 Process orders and despatch products | Equivalent |
| FPICOT2228B Store materials | FWPCOT2228 Store materials | Equivalent |
| FPICOT2229B Dock material to length | FWPCOT2229 Dock material to length | Equivalent |
| FPICOT2230B Assemble products | FWPCOT2230 Assemble products | Equivalent |
| FPICOT2231B Pack products | FWPCOT2231 Pack products | Equivalent |
| FPICOT2232B Cut material to shape using a saw | FWPCOT2232 Cut material to shape using a saw | Equivalent |
| FPICOT2233B Navigate in forest areas | FWPCOT2233 Navigate in forest areas | Equivalent |
| FPICOT2235A Assess timber for manufacturing potential | FWPCOT2235 Assess timber for manufacturing potential | Equivalent |
| FPICOT2236 Fall trees manually (basic) | FWPCOT2236 Fall trees manually (basic) | Equivalent |
| FPICOT2237A Maintain chainsaws | FWPCOT2237 Maintain chainsaws | Equivalent |
| FPICOT2238A Cut materials with a hand-held chainsaw | FWPCOT2238 Cut materials with a hand-held chainsaw | Equivalent |
| FPICOT2239A Trim and cut felled trees | FWPCOT2239 Trim and cut felled trees | Equivalent |
| FPICOT2240 Cut material with a pole saw | FWPCOT2240 Cut material with a pole saw | Equivalent |
| FPICOT2241 Apply wood and timber product knowledge | FWPCOT2241 Apply wood and timber product knowledge | Equivalent |
| FPICOT3201B Hand sharpen knives and blades | FWPCOT3201 Hand sharpen knives and blades | Equivalent |
| FPICOT3202B Navigate in remote or trackless areas | FWPCOT3202 Navigate in remote or trackless areas | Equivalent |
| FPICOT3203B Weigh loads | FWPCOT3203 Weigh loads | Equivalent |
| FPICOT3204B Prepare and interpret sketches and drawings | FWPCOT3204 Prepare and interpret sketches and drawings | Equivalent |
| FPICOT3205B Dress boards using multi-headed machines | FWPCOT3205 Dress boards using multi-headed machines | Equivalent |
| FPICOT3206B Cut material using high speed optimiser | FWPCOT3206 Cut material using high-speed optimiser | Equivalent |
| FPICOT3207B Set up, operate and maintain finger jointing operations | FWPCOT3207 Set up, operate and maintain finger jointing operations | Equivalent |
| FPICOT3208B Test strength of joints | FWPCOT3208 Test strength of joints | Equivalent |
| FPICOT3209B Set up, operate and maintain end matching operations | FWPCOT3209 Set up, operate and maintain end matching operations | Equivalent |
| FPICOT3210B Sharpen cutting tools | FWPCOT3210 Sharpen cutting tools | Equivalent |
| FPICOT3211B Maintain sawdoctoring tools | FWPCOT3211 Maintain sawdoctoring tools | Equivalent |
| FPICOT3212B Replace saws, blades and guides | FWPCOT3212 Replace saws, blades and guides | Equivalent |
| FPICOT3213B Manufacture cutting tools | FWPCOT3213 Manufacture cutting tools | Equivalent |
| FPICOT3214B Take off material quantities | FWPCOT3214 Take off material quantities | Equivalent |
| FPICOT3215B Swage and shape saw blades | FWPCOT3215 Swage and shape saw blades | Equivalent |
| FPICOT3216B Assess and maintain saw performance | FWPCOT3216 Assess and maintain saw performance | Equivalent |
| FPICOT3217B Assess and maintain cutter performance | FWPCOT3217 Assess and maintain cutter performance | Equivalent |
| FPICOT3218B Quote and interpret from manufactured timber product plans | FWPCOT3218 Quote and interpret from manufactured timber product plans | Equivalent |
| FPICOT3219B Produce standard truss or frame plans and details using computers | FWPCOT3219 Produce standard truss or frame plans and details using computers | Equivalent |
| FPICOT3220B Quote and interpret from computerised timber manufactured product plans | FWPCOT3220 Quote and interpret from computerised timber manufactured product plans | Equivalent |
| FPICOT3221B Rehabilitate tracks, quarries and landings | FWPCOT3221 Rehabilitate tracks, quarries and landings | Equivalent |
| FPICOT3222B Present forestry information and interpretations programs | FWPCOT3222 Present forestry information and interpretations programs | Equivalent |
| FPICOT3223B Grade and mark logs | FWPCOT3223 Grade and mark logs | Equivalent |
| FPICOT3224B Plan and monitor equipment maintenance | FWPCOT3224 Plan and monitor equipment maintenance | Equivalent |
| FPICOT3225B Mechanically stress grade timber | FWPCOT3225 Mechanically stress grade timber | Equivalent |
| FPICOT3227B Receive and measure logs | FWPCOT3227 Receive and measure logs | Equivalent |
| FPICOT3228B Plane/sand panels | FWPCOT3228 Plane/sand panels | Equivalent |
| FPICOT3229B Mechanically stress grade panels | FWPCOT3229 Mechanically stress grade panels | Equivalent |
| FPICOT3230B Operate automated stacking equipment | FWPCOT3230 Operate automated stacking equipment | Equivalent |
| FPICOT3231B Operate steam boiler | FWPCOT3231 Operate steam boiler | Equivalent |
| FPICOT3232B Operate heat plant | FWPCOT3232 Operate heat plant | Equivalent |
| FPICOT3233B Sharpen and align blades and knives | FWPCOT3233 Sharpen and align blades and knives | Equivalent |
| FPICOT3234B Cut material using CNC sizing machines | FWPCOT3234 Cut material using CNC sizing machines | Equivalent |
| FPICOT3235B Machine material using CNC machining and processing centres | FWPCOT3235 Machine material using CNC machining and processing centres | Equivalent |
| FPICOT3236B Coordinate stock control procedures | FWPCOT3236 Coordinate stock control procedures | Equivalent |
| FPICOT3237B Produce templates | FWPCOT3237 Produce templates | Equivalent |
| FPICOT3238B Operate a pole saw | FWPCOT3238 Operate a pole saw | Equivalent |
| FPICOT3239B Create drawings using computer aided design systems | FWPCOT3239 Create drawings using computer aided design systems | Equivalent |
| FPICOT3240B Grade heavy structural/engineered products | FWPCOT3240 Grade heavy structural/engineered products | Equivalent |
| FPICOT3241B Assemble timber wall frames | FWPCOT3241 Assemble timber wall frames | Equivalent |
| FPICOT3242B Lay up timber roof trusses | FWPCOT3242 Lay up timber roof trusses | Equivalent |
| FPICOT3243B Operate a truss press | FWPCOT3243 Operate a truss press | Equivalent |
| FPICOT3244B Cut material to profile | FWPCOT3244 Cut material to profile | Equivalent |
| FPICOT3245B Grade, sort and mark material | FWPCOT3245 Grade, sort and mark materials | Equivalent |
| FPICOT3246B Test heavy structural/engineered products | FWPCOT3246 Test heavy structural/engineered products | Equivalent |
| FPICOT3247B Select timber for forestry operations | FWPCOT3247 Select timber for forestry operations | Equivalent |
| FPICOT3248A Dry timber in solar assisted kilns | FWPCOT3248 Dry timber in solar assisted kilns | Equivalent |
| FPICOT3249A Select timber preservation techniques | FWPCOT3249 Select timber preservation techniques | Equivalent |
| FPICOT3250A Prepare timber to meet import/export compliance requirements | FWPCOT3250 Prepare timber to meet import/export compliance requirements | Equivalent |
| FPICOT3251A Promote the carbon benefits of wood products | FWPCOT3251 Promote the carbon benefits of wood products | Equivalent |
| FPICOT3252A Use environmental care procedures to undertake fire salvage operations | FWPCOT3252 Use environmental care procedures to undertake fire salvage operations | Equivalent |
| FPICOT3253A Convert timber residue into products for further use | FWPCOT3253 Convert timber residue into products for further use | Equivalent |
| FPICOT3254A Implement environmentally sustainable work practices in the work area/work site | FWPCOT3254 Implement environmentally sustainable work practices in the work area/work site | Equivalent |
| FPICOT3255 Apply silviculture principles | FWPCOT3255 Apply silvicultural principles | Equivalent |
| FPICOT3256 Apply biodiversity protection principles | FWPCOT3256 Apply biodiversity protection principles | Equivalent |
| FPICOT3257 Follow cultural heritage requirements | FWPCOT3257 Follow cultural heritage requirements | Equivalent |
| FPICOT3258 Comply with soil and water protection | FWPCOT3258 Comply with soil and water protection | Equivalent |
| FPICOT3259 Operate a four wheel drive on unsealed roads | FWPCOT3259 Operate a four wheel drive on unsealed roads | Equivalent |
| FPICOT3260 Recover four wheel drive vehicles | FWPCOT3260 Recover four wheel drive vehicles | Equivalent |
| FPICOT3261 Transport forestry logs using trucks | FWPCOT3261 Transport forestry logs using trucks | Equivalent |
| FPICOT3262Transport forestry produce using trucks | FWPCOT3262Transport forestry produce using trucks | Equivalent |
| FPICOT3263Maintain and contribute to energy efficiency | FWPCOT3263Maintain and contribute to energy efficiency | Equivalent |
| FPICOT3264 Build and maintain timber stacks | FWPCOT3264 Build and maintain timber stacks | Equivalent |
| N/N | FWPCOT3269 Provide specialised timber product solutions draft | **New unit** |
| FPICOT4201B Produce complex truss and frame plans and details using computers | FWPCOT4201 Produce complex truss and frame plans and details using computers | Equivalent |
| FPICOT4202B Design timber structures | FWPCOT4202 Design timber structures | Equivalent |
| FPICOT4203B Plan and coordinate product assembly | FWPCOT4203 Plan and coordinate product assembly | Equivalent |
| FPICOT4204B Schedule and coordinate load shifting | FWPCOT4204 Schedule and coordinate load shifting | Equivalent |
| FPICOT4205B Coordinate log debarking operations | FWPCOT4205 Coordinate log debarking operations | Equivalent |
| FPICOT4206B Plan and coordinate boiler operations | FWPCOT4206 Plan and coordinate boiler operations | Equivalent |
| FPICOT4207B Plan and coordinate heat plant operations | FWPCOT4207 Plan and coordinate heat plant operations | Equivalent |
| FPICOT5203B Manage installation and commissioning of equipment | FWPCOT5203 Manage installation and commissioning of equipment | Equivalent |
| FPICOT5204B Organise enterprise maintenance programs | FWPCOT5204 Organise enterprise maintenance programs | Equivalent |
| FPIFGM2201B Collect seed | FWPFGM2201 Collect seed | Equivalent |
| FPIFGM2202B Prepare seedbed | FWPFGM2202 Prepare seeded | Equivalent |
| FPIFGM2203B Plant trees by hand | FWPFGM2203 Plant trees by hand | Equivalent |
| FPIFGM2204B Plant trees mechanically | FWPFGM2204 Plant trees mechanically | Equivalent |
| FPIFGM2205B Prune trees | FWPFGM2205 Prune trees | Equivalent |
| FPIFGM2206B Collect data or samples for assessment | FWPFGM2206 Collect data or samples for assessment | Equivalent |
| FPIFGM2207B Undertake brushcutting operations | FWPFGM2207 Undertake brushcutting operations | Equivalent |
| FPIFGM2209B Cut, sort and set cuttings | FWPFGM2209 Cut, sort and set cuttings | Equivalent |
| FPIFGM2210B Implement animal pest control procedures | FWPFGM2210 Implement animal pest control procedures | Equivalent |
| FPIFGM2211B Detect fires | FWPFGM2211 Detect fires | Equivalent |
| FPIFGM2212B Graft cuttings | FWPFGM2212 Graft cuttings | Equivalent |
| FPIFGM2213B Process seed | FWPFGM2213 Process seed | Equivalent |
| FPIFGM2214B Maintain visitor sites | FWPFGM2214 Maintain visitor sites | Equivalent |
| FPIFGM2215B Measure trees | FWPFGM2215 Measure trees | Equivalent |
| FPIFGM3201B Manage seed collection | FWPFGM3201 Manage seed collection | Equivalent |
| FPIFGM3202B Extract seed | FWPFGM3202 Extract seed | Equivalent |
| FPIFGM3203B Conduct an instrument survey | FWPFGM3203 Conduct an instrument survey | Equivalent |
| FPIFGM3206B Plan and implement non-commercial thinning operations | FWPFGM3206 Plan and implement non-commercial thinning operations | Equivalent |
| FPIFGM3207B Coordinate stem improvement | FWPFGM3207 Coordinate stem improvement | Equivalent |
| FPIFGM3209B Construct and maintain forest roads and tracks | FWPFGM3209 Construct and maintain forest roads and tracks | Equivalent |
| FPIFGM3210B Patrol forest | FWPFGM3210 Patrol forest | Equivalent |
| FPIFGM3211B Manage coppice stems | FWPFGM3211 Manage coppice stems | Equivalent |
| FPIFGM3212 Fall trees manually (intermediate) (was 3204) | FWPFGM3212 Fall trees manually (intermediate) (was 3204) | Equivalent |
| FPIFGM3213 Fall trees manually (advanced) | FWPFGM3213 Fall trees manually (advanced) | Equivalent |
| FPIFGM3214 Operate a four wheel drive in a towing situation | FWPFGM3214 Operate a four wheel drive in a towing situation | Equivalent |
| FPIFGM3215 Perform complex 4x4 operations | FWPFGM3215 Perform complex 4x4 operations | Equivalent |
| FPIFGM4201B Implement a forest establishment plan | FWPFGM4201 Implement a forest establishment plan | Equivalent |
| FPIFGM4202B Manage stand health | FWPFGM4202 Manage stand health | Equivalent |
| FPIFGM4203B Design plantations | FWPFGM4203 Design plantations | Equivalent |
| FPIFGM4204B Conduct a pests and diseases assessment | FWPFGM4204 Conduct a pests and diseases assessment | Equivalent |
| FPIFGM4205B Monitor regeneration rates | FWPFGM4205 Monitor regeneration rates | Equivalent |
| FPIFGM4206B Conduct a wood volume and yield assessment | FWPFGM4206 Conduct a wood volume and yield assessment | Equivalent |
| FPIFGM4207B Conduct a forest site assessment | FWPFGM4207 Conduct a forest site assessment | Equivalent |
| FPIFGM4208B Plan a quarry | FWPFGM4208 Plan a quarry | Equivalent |
| FPIFGM4209B Interpret and use aerial photographs for forest management | FWPFGM4209 Interpret and use aerial photographs for forest management | Equivalent |
| FPIFGM4210B Prepare a tender | FWPFGM4210 Prepare a tender | Equivalent |
| FPIFGM5201B Plan and manage an inventory program | FWPFGM5201 Plan and manage an inventory program | Equivalent |
| FPIFGM5208B Manage road construction and maintenance | FWPFGM5208 Manage road construction and maintenance | Equivalent |
| FPIFGM5210A Manage tending operations in a native forest | FWPFGM5210 Manage tending operations in a native forest | Equivalent |
| FPIFGM5211A Coordinate stand nutrition | FWPFGM5211 Coordinate stand nutrition | Equivalent |
| FPIFGM5212A Manage genetic resources | FWPFGM5212 Manage genetic resources | Equivalent |
| FPIFGM5213A Coordinate plantation tending operations | FWPFGM5213 Coordinate plantation tending operations | Equivalent |
| FGPIFGM5214ADevelop a native forest regeneration plan | FWPFGM5214 Develop a native forest regeneration plan | Equivalent |
| FPIFGM5215A Breed Trees | FWPFGM5215 Breed Trees | Equivalent |
| FPIFGM5216A Manage coupe planning | FWPFGM5216 Manage coupe planning | Equivalent |
| FPIHAR2203B Hook up felled logs using cables (choker) | FWPHAR2203 Hook up felled logs using cables (choker) | Equivalent |
| FPIHAR2204B Perform landing duties (chaser) | FWPHAR2204 Perform landing duties (chaser) | Equivalent |
| FPIHAR2205B Conduct mobile splitting operations | FWPHAR2205 Conduct mobile splitting operations | Equivalent |
| FWPHAR2206B Operate a mobile chipper/mulcher | FWPHAR2206 Operate a mobile chipper/mulcher | Equivalent |
| FPIHAR2207A Trim and cut harvested trees | FWPHAR2207 Trim and cut harvested trees | Equivalent |
| FPIHAR3201B Monitor log recovery (rigging slinger) | FWPHAR3201 Monitor log recovery (rigging slinger) | Equivalent |
| FPIHAR3206C Conduct forwarder operations | FWPHAR3206 Conduct forwarder operations | Equivalent |
| FPIHAR3207C Conduct feller buncher operations | FWPHAR3207 Conduct feller buncher operations | Equivalent |
| FPIHAR3208C Conduct boom delimber operations | FWPHAR3208 Conduct boom delimber operations | Equivalent |
| FPIHAR3210C Conduct mechanical processor operations | FWPHAR3210 Conduct mechanical processor operations | Equivalent |
| FPIHAR3211B Operate yarder | FWPHAR3211 Operate yarder | Equivalent |
| FPIHAR3213B Conduct mechanically assisted tree falling operations | FWPHAR3213 Conduct mechanically assisted tree falling operations | Equivalent |
| FPIHAR3214C Operate a single grip harvester | FWPHAR3214 Operate a single grip harvester | Equivalent |
| FPIHAR3215C Operate a heavy production mobile chipper | FWPHAR3215 Operate a heavy production mobile chipper | Equivalent |
| FPIHAR3216A Conduct forestry operations using crawler tractor | FWPHAR3216 Conduct forestry operations using crawler tractor | Equivalent |
| FPIHAR3217A Conduct skidder operations | FWPHAR3217 Conduct skidder operations | Equivalent |
| FPIHAR3218A Conduct loader operations | FWPHAR3218 Conduct loader operations | Equivalent |
| FPIHAR3219A Conduct excavator operations with grabs | FWPHAR3219 Conduct excavator operations with grabs | Equivalent |
| FPIHAR3220 Harvest trees manually (intermediate) | FWPHAR3220 Harvest trees manually (intermediate) | Equivalent |
| FPIHAR3221 Harvest trees manually (advanced) | FWPHAR3221 Harvest trees manually (advanced) | Equivalent |
| FPIHAR4201B Apply tree jacking techniques | FWPHAR4201 Apply tree jacking techniques | Equivalent |
| FPIHAR4202B Coordinate log recovery (hook tender) | FWPHAR4202 Coordinate log recovery (hook tender) | Equivalent |
| FPIHAR4203B Design log landings and snig tracks | FWPHAR4203 Design log landings and snig tracks | Equivalent |
| FPIHAR4204B Plan and coordinate fire salvage operations | FWPHAR4204 Plan and coordinate fire salvage operations | Equivalent |
| FPIHAR4205B Implement harvesting plans | FWPHAR4205 Implement harvesting plans | Equivalent |
| FPIHAR5201B Design harvesting plans | FWPHAR5201 Design harvesting plans | Equivalent |
| FPISAW2201B Grade round poles and debarked logs | FWPSAW2201 Grade round poles and debarked logs | Equivalent |
| FPISAW2202B Sort boards manually | FWPSAW2202 Sort boards manually | Equivalent |
| FPISAW2203B Sort boards mechanically | FWPSAW2203 Sort boards mechanically | Equivalent |
| FPISAW2204B Dock boards with mechanical feed | FWPSAW2204 Dock boards with mechanical feed | Equivalent |
| FPISAW2205B Assemble materials using nail plates | FWPSAW2205 Assemble materials using nail plates | Equivalent |
| FPISAW2206B De-stack seasoning racks | FWPSAW2206 De-stack seasoning racks | Equivalent |
| FPISAW2207B Round softwood logs | FWPSAW2207 Round softwood logs | Equivalent |
| FPISAW2208B Split wood products | FWPSAW2208 Split wood products | Equivalent |
| FPISAW2209B Dismantle, transport and assemble hand portable sawmill | FWPSAW2209 Dismantle, transport and assemble hand portable sawmill | Equivalent |
| FPISAW2210B Prepare for timber treatment operations | FWPSAW2210 Prepare for timber treatment operations | Equivalent |
| FPISAW3201B Treat timber | FWPSAW3201 Treat timber | Equivalent |
| FPISAW3202B Produce sawn green boards | FWPSAW3202 Produce sawn green boards | Equivalent |
| FPISAW3203B Break down logs | FWPSAW3203 Break down logs | Equivalent |
| FPISAW3204B Saw flitches and cants | FWPSAW3204 Saw flitches and cants | Equivalent |
| FPISAW3205B Dry hardwood | FWPSAW3205 Dry hardwood | Equivalent |
| FPISAW3206B Dry softwood | FWPSAW3206 Dry softwood | Equivalent |
| FPISAW3207B Sharpen band saws | FWPSAW3207 Sharpen band saws | Equivalent |
| FPISAW3208B Sharpen circular saws | FWPSAW3208 Sharpen circular saws | Equivalent |
| FPISAW3209B Align sawing production systems | FWPSAW3209 Align sawing production systems | Equivalent |
| FPISAW3210B File and set saws | FWPSAW3210 File and set saws | Equivalent |
| FPISAW3211B Recondition guides | FWPSAW3211 Recondition guides | Equivalent |
| FPISAW3212B Sharpen tipped circular saws | FWPSAW3212 Sharpen tipped circular saws | Equivalent |
| FPISAW3213B Level and tension circular saws | FWPSAW3213 Level and tension circular saws | Equivalent |
| FPISAW3214B Join band saw blades | FWPSAW3214 Join band saw bblades | Equivalent |
| FPISAW3215B Screen wood chips | FWPSAW3215 Screen wood chips | Equivalent |
| FPISAW3216B Transfer wood chips | FWPSAW3216 Transfer wood chips | Equivalent |
| FPISAW3217B Hard face saw teeth | FWPSAW3217 Hard face saw teeth | Equivalent |
| FPISAW3218B Replace tungsten tips | FWPSAW3218 Replace tungsten tips | Equivalent |
| FPISAW3219B Replace stellite tips | FWPSAW3219 Replace stellite tips | Equivalent |
| FPISAW3220B Maintain wide band saw blades | FWPSAW3220 Maintain wide band saw blades | Equivalent |
| FPISAW3221B Profile saw blanks | FWPSAW3221 Profile saw blanks | Equivalent |
| FPISAW3222B Recondition band mill wheels | FWPSAW3222 Recondition band mill wheels | Equivalent |
| FPISAW3223B Assess wood chips | FWPSAW3223 Assess wood chips | Equivalent |
| FPISAW3224B Coordinate and monitor the wood chip stockpile | FWPSAW3224 Coordinate and monitor the wood chip stockpile | Equivalent |
| FPISAW3225B Maintain frame saw blades | FWPSAW3225 Maintain frame saw blades | Equivalent |
| FPISAW3226B Saw logs using CNC optimising systems | FWPSAW3226 Saw logs using CNC optimising systems | Equivalent |
| FPISAW3227B Select and saw logs in multi-species operations | FWPSAW3227 Select and saw logs in multi-species operations | Equivalent |
| FPISAW3228B Apply principles of blade design to sawing procedures | FWPSAW3228 Apply principles of blade design to sawing procedures | Equivalent |
| FPISAW3229B Operate a portable sawmill | FWPSAW3229 Operate a portable sawmill | Equivalent |
| FPISAW4201 Plan and monitor timber treatment plant operations | FWPSAW4201 Plan and monitor timber treatment plant operations | Equivalent |
| FPISAW4202B Plan and monitor saw log operations | FWPSAW4202 Plan and monitor saw log operations | Equivalent |
| FPISAW4203B Coordinate timber drying operations | FWPSAW4203 Coordinate timber drying operations | Equivalent |
| FPISAW4204B Plan and monitor board conversion | FWPSAW4204 Plan and monitor board conversion | Equivalent |
| FPITMM2201B Cut material to length and angles | FWPTMM2201 Cut material to length and angles | Equivalent |
| FPITMM2202B Machine material | FWPTMM2202 Machine material | Equivalent |
| FPITMM2203A Read and interpret timber truss, floor and/or frame fabrication plans | FWPTMM2203 Read and interpret timber truss, floor and/or frame fabrication plans | Equivalent |
| FPITMM3201B Convert timber | FWPTMM3201 Convert timber | Equivalent |
| FPITMM3202B Manufacture using joinery machines | FWPTMM3202 Manufacture using joinery machines | Equivalent |
| FPITMM3203B Estimate and cost job | FWPTMM3203 Estimate and cost job | Equivalent |
| FPITMM3204A Interpret designs to prepare timber roof truss drawings and documents using computers | FWPTMM3204 Interpret designs to prepare timber roof truss drawings and documents using computers | Equivalent |
| FPITMM3205A Interpret designs to prepare timber floor system drawings and documents using computers | FWPTMM3205 Interpret designs to prepare timber floor system drawings and documents using computers | Equivalent |
| FPITMM3206A Interpret designs to prepare timber wall frame drawings and documents using computers | FWPTMM3206 Interpret designs to prepare timber wall frame drawings and documents using computers | Equivalent |
| FPITMM3207A Set up timber floor trusses | FWPTMM3207 Set up timber floor trusses | Equivalent |
| FPITMM4201B Construct prototypes and samples | FWPTMM4201 Construct prototypes and samples | Equivalent |
| FPITMM4202B Diagnose and calculate production costs | FWPTMM4202 Diagnose and calculate production costs | Equivalent |
| FPITMM4203B Install and commission CNC software | FWPTMM4203 Install and commission CNC software | Equivalent |
| FPITMM4204B Sample and test products to specifications | FWPTMM4204 Sample and test products to specifications | Equivalent |
| FPITMM4205A Prepare and advise on a broad range of timber roof truss details using computers | FWPTMM4205 Prepare and advise on a broad range of timber roof truss details using computers | Equivalent |
| FPITMM4206A Prepare and advise on a broad range of timber floor system details using computers | FWPTMM4206 Prepare and advise on a broad range of timber floor system details using computers | Equivalent |
| FPITMM4207A Prepare and advise on a broad range of timber wall frame details using computers | FWPTMM4207 Prepare and advise on a broad range of timber wall frame details using computers | Equivalent |
| FPITMM5201B Assess product feasibility of designs | FWPTMM5201 Assess product feasibility of designs | Equivalent |
| FPITMM5202B Develop, trial and evaluate prototypes | FWPTMM5202 Develop, trial and evaluate prototypes | Equivalent |
| FPITMM5203B Generate and transfer complex computer-aided drawings and specifications | FWPTMM5203 Generate and transfer complex computer-aided drawings and specifications | Equivalent |
| FPITMM5204B Manage product design | FWPTMM5204 Manage product design | Equivalent |
| FPITMM5205B Optimise CNC operations | FWPTMM5205 Optimise CNC operations | Equivalent |
| FPITMM5206B Plan production | FWPTMM5206 Plan production | Equivalent |
| FPIWPP2201B Cut panels | FWPWPP2201 Cut panels | Equivalent |
| FPIWPP2202B Surface treat raw board | FWPWPP2202 Surface treat raw board | Equivalent |
| FPIWPP2203B Repair veneer and ply | FWPWPP2203 Repair veneer and ply | Equivalent |
| FPIWPP2204B Repair veneer mechanically | FWPWPP2204 Repair veneer mechanically | Equivalent |
| FPIWPP2205B Prepare chip or fibre blends | FWPWPP2205 Prepare chip or fibre blends | Equivalent |
| FPIWPP2206B Prepare veneer for ply | FWPWPP2206 Prepare veneer for ply | Equivalent |
| FPIWPP2207B Scarf edges of veneer | FWPWPP2207 Scarf edges of veneer | Equivalent |
| FPIWPP2208B Cut veneer | FWPWPP2208 Cut veneer | Equivalent |
| FPIWPP2209B Saw products from continuous ply | FWPWPP2209 Saw products from continuous ply | Equivalent |
| FPIWPP2210B Cut panels to profile | FWPWPP2210 Cut panels to profile | Equivalent |
| FPIWPP2211B Move material by transfer equipment | FWPWPP2211 Move material by transfer equipment | Equivalent |
| FPIWPP3201B Produce veneer from debarked logs | FWPWPP3201 Produce veneer from debarked logs | Equivalent |
| FPIWPP3202B Paint panels | FWPWPP3202 Paint panels | Equivalent |
| FPIWPP3203B Produce fibre from chips | FWPWPP3203 Produce fibre from chips | Equivalent |
| FPIWPP3204B Form board | FWPWPP3204 Form board | Equivalent |
| FPIWPP3205B Match and join veneer | FWPWPP3205 Match and join veneer | Equivalent |
| FPIWPP3206B Laminate and veneer board surfaces | FWPWPP3206 Laminate and veneer board surfaces | Equivalent |
| FPIWPP3207B Clip veneer | FWPWPP3207 Clip veneer | Equivalent |
| FPIWPP3208B Punch peg holes in panels | FWPWPP3208 Punch peg holes in panels | Equivalent |
| FPIWPP3209B Prepare resin and additives | FWPWPP3209 Prepare resin and additives | Equivalent |
| FPIWPP3210B Laminate board | FWPWPP3210 Laminate board | Equivalent |
| FPIWPP3211B Maintain caul plates and screens | FWPWPP3211 Maintain caul plates and screens | Equivalent |
| FPIWPP3212B Dry material | FWPWPP3212 Dry material | Equivalent |
| FPIWPP3213B Heat treat material | FWPWPP3213 Heat treat material | Equivalent |
| FPIWPP3214B Treat paper | FWPWPP3214 Treat paper | Equivalent |
| FPIWPP3215B Cut paper | FWPWPP3215 Cut paper | Equivalent |
| FPIWPP3216B Press material using the daylight process | FWPWPP3216 Press material using the daylight process | Equivalent |
| FPIWPP3217B Process production effluent | FWPWPP3217 Process production effluent | Equivalent |
| FPIWPP3218B Plan and coordinate machining of panels | FWPWPP3218 Plan and coordinate machining of panels | Equivalent |
| FPIWPP3219B Blend and test binding mixes | FWPWPP3219 Blend and test binding mixes | Equivalent |
| FPIWPP3220B Plan and coordinate panel painting | FWPWPP3220 Plan and coordinate panel painting | Equivalent |
| FPIWPP3221B Trim new panels to size | FWPWPP3221 Trim new panels to size | Equivalent |
| FPIWPP3222B Press laminated ply | FWPWPP3222 Press laminated ply | Equivalent |
| FPIWPP3223B Immunise veneer | FWPWPP3223 Immunise veneer | Equivalent |
| FPIWPP3224B Profile sand products | FWPWPP3224 Profile sand products | Equivalent |
| FPIWPP3225B Produce profile sanding shoes and wheels | FWPWPP3225 Produce profile sanding shoes and wheels | Equivalent |
| FPIWPP3226B Operate a continuous press | FWPWPP3226 Operate a continuous press | Equivalent |
| FPIWPP3227B Vacuum paint | FWPWPP3227 Vacuum paint | Equivalent |
| FPIWPP3228B Dry Wood Flakes | FWPWPP3228 Dry Wood Flakes | Equivalent |
| FPIWPP3229B Classify flake | FWPWPP3229 Classify flake | Equivalent |
| FPIWPP3230B Produce decorative veneers | FWPWPP3230 Produce decorative veneers | Equivalent |
| FPIWPP3231B Produce veneer from prepared flitches | FWPWPP3231 Produce veneer from prepared flitches | Equivalent |
| FPIWPP4201B Plan and coordinate panel production | FWPWPP4201 Plan and coordinate panel production | Equivalent |
| FPIWPP4202B Perform laboratory testing | FWPWPP4202 Perform laboratory testing | Equivalent |

1. The training package development and endorsement process policy can be downloaded from the Department of Employment and Workplace Relations website < https://www.DEWR.gov.au/aisc/resources/training-package-development-and-endorsement-process-policy> [↑](#footnote-ref-2)
2. The policy is available from the Department of Employment and Workplace Relations website at <https://www.DEWR.gov.au/skills-support-individuals/resources/training-package-products-policy> [↑](#footnote-ref-3)
3. Information sourced from Australian Government, ASQA, [*https://www.asqa.gov.au/faqs/what-appropriate-volume-learning-qualification-type*](https://www.asqa.gov.au/faqs/what-appropriate-volume-learning-qualification-type): *viewed February 2023* [↑](#footnote-ref-4)
4. The *Disability Standards for Education, 2005* and accompanying guidance notes can be downloaded at <https://www.education.gov.au/swd/resources/2010-report-review-disability-standards-education-2005>. [↑](#footnote-ref-5)