Companion Volume Implementation Guide

FWP Forest and Wood Products

Version 8.1

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Disclaimer

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

www.skillsimpact.com.au

Skills Impact Ltd

ABN: 32 609 934 429

Level 1, 165 Bouverie Street (PO Box 466)
Carlton VIC 3053

p. (03) 9321 3526
e. inquiry@skillsimpact.com.au
w. www.skillsimpact.com.au

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Implementation Guide modification history

Release number	Release date	Author	Comments
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 unit 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 **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 *FWP Forest and Wood Products 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 versions 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.

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 components

Training packages consist of endorsed and non-endorsed components[1].

Although all components must be developed to comply with the Standards for Training Packages 2012[2], endorsed components must be submitted for approval by the Australian Industry and Skills Committee before they are released for use.

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

[1] Note that the words 'components' and 'products' are used in currently applicable legislation standards and policies. Both words are generally used to refer to the qualifications, skill sets, units of competency, assessment requirements, credit arrangements and supporting materials produced for training packages.

[2] The *Standards for Training Packages 2012*, and accompanying policies, are available from the Australian Department of Employment and Workplace Relations website < https://www.dewr.gov.au/skills-information-training-providers/resources/standards-training-packages-2012>.

Endorsed components

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 Impact training package qualification and higher education qualification.

Non-endorsed components

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 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[3]

COAG Industry and Skills Council (CISC)	The CISC is the ministerial council responsible for industry and skills. The CISC provides a forum for intergovernmental collaboration and decision-making about industry competitiveness, productivity and labour market pressures, and skills development and national training arrangements, including training packages.
The Australian Industry and Skills Committee (AISC)	The AISC was established by the CISC in 2015 to provide industry leadership within the national training system. As well as setting the priorities for the review of training packages in a national review schedule, the AISC approves training packages for implementation.
Industry Reference Committees (IRCs)	IRCs are the key industry advisory bodies to the AISC. They are made up of people who are experts in their particular industry sectors. IRCs drive the process of training package development so that the qualifications and units of competency are aligned with modern work practices.
Skills Service Organisations (SSOs)	SSOs are funded by the Australian Government to provide technical, operational and secretariat support to IRCs. SSOs assist IRCS to identify the skills required for jobs. Under the direction of the IRCs, SSOs develop and review compliant training packages that meet industry needs. Skills Impact is an SSO.
Government	The Australian Government supports the AISC and its network of IRCs and manages the SSOs. State and territory governments, referred to as State or Territory Training Authorities (STAs/TTAs), canvass stakeholder views about training packages, provide implementation advice, identify issues and develop purchasing guides for training providers.
Vocational education and training regulators	The national VET regulator, the Australian Skills Quality Authority (ASQA), and two state-based VET regulators, Victorian Registration and Qualifications Authority (VRQA) and Western Australian Training Accreditation Council (WA TAC), regulate the training and assessment strategies and practices of registered training organisations. Their aim is to ensure consistency with the requirements of the endorsed components of training packages.

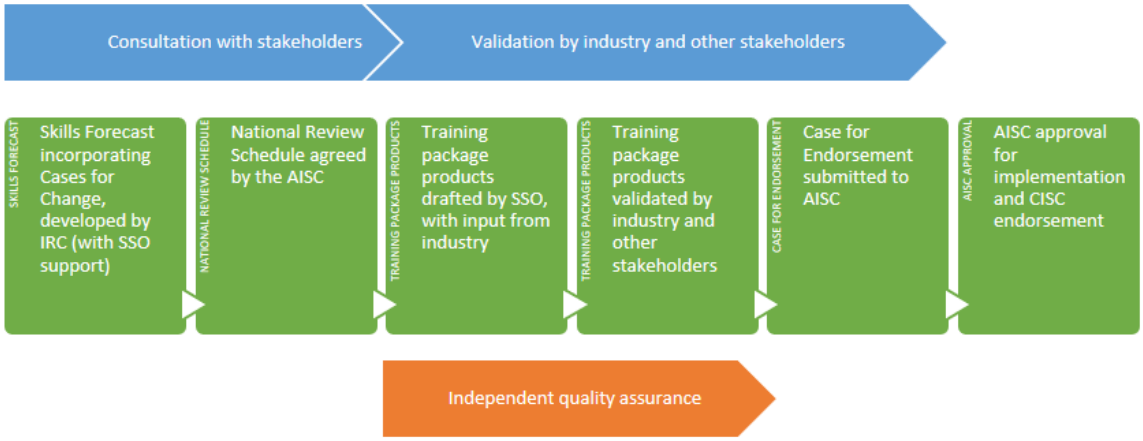
[3] More information about key stakeholder roles is available on the AISC website < https://www.aisc.net.au>.

The development process

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

- open and inclusive industry participation in development, validation and endorsement of training packages
- 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 contentious issues
- accountability of all stakeholders for the role that they play in the process.

The diagram summarises the process of training package development. [4]



[4] 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>

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 units(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 Training Package 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 components 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 versions of a training package can be useful for delivery and assessment because it:

- outlines the changes between current and previous versions of qualifications, skill sets and units of competency
- states whether the vocational outcomes of the current and previous versions of units of competency and qualifications are equivalent
- shows any components 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*[5] which state that:

"Training package developers are responsible for mapping units and determining their equivalence 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.

[5] 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>

Qualifications

‘Training package developers are responsible for mapping qualifications and determining their equivalence 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 around the use of superseded and deleted products for training purposes are in Clause 1.26 of the *Standards for Registered Training Organisation (RTOs) 2015*.

ASQA has a useful guide that explains how to manage the transition from superseded and deleted training products. This can be accessed from: < https://www.asqa.gov.au/standards/about-standards-rtos-2015/standard-one/clauses-1.26-1.27>

Coding conventions

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

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
Version identifier	Two numbers identifying the year in which the qualification was endorsed.	= 16

Unit 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 I) to 8 to (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

Under the *Standards for Training Packages,* units of competency no longer include a version identifier (e.g. A, B, C). 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,* where colour 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
  AS 5605 SUPP 1-2007 Guide to the safe use of preservative-treated timber - Consumer safety information sheet - Copper Chrome Arsenic (CCA) - treated timber
  AS 5605 SUPP 2-2007 Guide to the safe use of preservative-treated timber - Consumer safety information sheet - Alkaline copper quaternary-treated timber
  AS 5605 SUPP 3-2007 Guide to the safe use of preservative-treated timber - Consumer Safety Information Sheet - Copper azole-treated timber
  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
  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
  AS 5605 SUPP 6-2007 Guide to the safe use of preservative-treated timber - Consumer Safety Information Sheet - Bifenthrin-treated timber
  AS/NZS 1604.1:2021 Preservative-treated wood-based products, Part 1: Products and treatment
  AS/NZS 1604.2:2021 Preservative-treated wood-based products, Part 2: Verification requirements
  AS/NZS 1604.3:2021 Preservative-treated wood-based products, Part 3: Test methods
  AS/NZS 1604.4-2012 Specification for preservative treatment - Laminated veneer lumber (LVL)
  AS/NZS 1604.5-2012 Specification for preservative treatment - Glued laminated timber products
  AS/NZS 2843.1-2006 Timber preservation plants - Timber preservation plant site design
  AS/NZS 2843.2-2006 Timber preservation plants - Treatment area operation

- **Testing methods**

  AS/NZS 1080.1:2012 Timber - Methods of test, Method 1: Moisture content
  AS/NZS 1080.2:2006 Rec:2016 Timber - Methods of test - Method 2: Slope of grain
  AS/NZS 1080.3:2000 Rec:2016 Timber - Methods of test - Method 3: Density
  AS/NZS 2097:2006 Rec:2016 Methods for sampling veneer and plywood
  AS/NZS 2098.0:2006 Rec:2016 Methods of test for veneer and plywood - Part 0: General introduction and list of methods
  AS/NZS 2098.1:2006 Rec:2016 Methods of test for veneer and plywood - Method 1: Moisture content of veneer and plywood
  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
  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
  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
  AS/NZS 2098.6:2006 Rec:2016 Methods of test for veneer and plywood - Method 6: Depth of peeler checks in veneer and plywood
  AS/NZS 2098.7:2006 Rec:2016 Methods of test for veneer and plywood - Method 7: Density of veneer and plywood
  AS/NZS 2098.8:2006 Rec:2016 Methods of test for veneer and plywood - Method 8: Water absorption and thickness swelling of unpainted plywood
  AS/NZS 2098.11:2005 Rec:2016 Methods of test for veneer and plywood - Method 11: Determination of formaldehyde emissions for plywood
  AS/NZS 2269.1:2012 Plywood - Structural, Part 1: Determination of structural properties - Test methods
  AS/NZS 4266.1:2017 Amd 1:2021 Reconstituted wood-based panels - Methods of testing, Part 1: Base Panels
  AS/NZS 4266.2:2017 Reconstituted wood-based panels - Methods of testing, Part 2: Decorative overlaid panels

AS/NZS 4357.0:2005 Rec:2016 Structural laminated veneer lumber - Part 0: Specifications
AS/NZS 4357.1:2005 Rec:2016 Structural laminated veneer lumber - Part 1: Method of test for measurement of dimensions and shape
AS/NZS 4357.2:2006 Rec:2016 Structural laminated veneer lumber (LVL) - Part 2: Determination of structural properties - Test methods
AS/NZS 4357.3:2006 Structural laminated veneer lumber (LVL), Part 3: Determination of structural properties - Evaluation methods
AS/NZS 4357.4:2005 Rec:2016 Structural laminated veneer lumber - Part 4: Determination of formaldehyde emissions

- **Classification**

AS 5604-2005 Rec:2016 Timber - Natural durability ratings
AS/NZS 1148:2001 Rec:2016 Timber - Nomenclature - Australian, New Zealand and imported species
AS/NZS 2878-2000 REC:2017 Timber - Classification into strength groups
AS/NZS 4491:1997 Rec:2016 Timber - Glossary of terms in timber related-Standards

- **Timber grading**

AS 2082-2007 Rec:2017 Timber - Hardwood - Visually stress-graded for structural purposes
AS 2796.1-1999 Rec:2016 Timber - Hardwood - Sawn and milled products - Part 1: Product specification
AS 2796.2-2006 Rec:2016 Timber - Hardwood - Sawn and milled products - Part 2: Grade description
AS 2796.3-1999 Rec:2016 Timber - Hardwood - Sawn and milled products - Part 3: Timber for furniture
AS 2858-2008 Timber - Softwood - Visually stress-graded for structural purposes
AS 3519-2005 Rec:2016 Timber - Machine proof grading
AS 3818.1-2009 Timber - Heavy structural products - Visually graded, Part 1: General requirements
AS 3818.2-2010 Timber - Heavy structural products - Visually graded, Part 2: Railway track timbers
AS 3818.3-2010 Timber - Heavy structural products - Visually graded, Part 3: Piles
AS 3818.4-2010 Timber - Heavy structural products - Visually graded, Part 4: Cross-arms for overhead lines
AS 3818.5-2010 Timber - Heavy structural products - Visually graded, Part 5: Mine lift guides
AS 3818.6-2010 Timber - Heavy structural products - Visually graded, Part 6: Decking for wharves and bridges
AS 3818.7-2010 Timber - Heavy structural products - Visually graded, Part 7: Large cross-section sawn hardwood engineering timbers
AS 3818.8-2010 Timber - Heavy structural products - Visually graded, Part 8: Stumps and sole plates
AS 3818.9-2010 Timber - Heavy structural products - Visually graded, Part 9: Natural round treated hardwood corbels, girders and stringers
AS 3818.10-2010 Timber - Heavy structural products - Visually graded, Part 10: Building poles
AS 3818.11-2009 Timber - Heavy structural products - Visually graded, Part 11: Utility poles
AS 4785.1-2002 Rec:2016 Timber - Softwood - Sawn and milled products - Part 1: Product specification
AS 4785.2-2002 Rec:2016 Timber - Softwood - Sawn and milled products - Part 2: Grade description
AS/NZS 1748.1:2011 Timber - Solid - Stress-graded for structural purposes, Part 1: General requirements
AS/NZS 1748.2:2011 Timber - Solid - Stress-graded for structural purposes, Part 2: Qualification of grading method
AS/NZS 4063.1:2010 Characterization of structural timber, Part 1: Test methods
AS/NZS 4063.2:2010 Characterization of structural timber, Part 2: Determination of characteristic values
AS/NZS 4490:2011 Timber - Solid - Stress-graded for structural purposes - Verification of properties
ISO 13910:2014 Timber structures -- Strength graded timber -- Test methods for structural properties

ISO 13912:2017 Structural timber -- Machine strength grading -- Basic principles
ISO 16415:2012 Non-structural timber grading requirements
ISO 9709:2018 Structural timber -- Visual strength grading -- Basic principles

- **Drying**

  AS/NZS 4787:2001 Rec:2016 Timber - Assessment of drying quality

- **Timber structures**

  AS 1720.1-2010 Timber structures, Part 1: Design methods
  AS 1720.2-2006 Timber structures, Part 2: Timber properties
  AS 1720.3:2016 Timber structures, Part 3: Design criteria for timber-framed residential buildings
  AS/NZS 1720.4:2019 Timber structures, Part 4: Fire resistance of timber elements
  AS 1720.5:2015 Timber structures, Part 5: Nailplated timber roof trusses
  AS 4446-1999 Manufacture of nailplate-joined timber products
  AS 5068-2006 Rec:2016 Timber - Finger joints in structural products - Production requirements
  AS 5069-2006 Rec:2016 Timber - Finger joints in non-structural products - Production requirements
  AS/NZS 1328.1:1998/Amdt 1:2011 Glued laminated structural timber, Part 1: Performance requirements and minimum production requirements
  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
  AS/NZS 4357.0:2005 Rec:2016 Structural laminated veneer lumber - Part 0: Specifications
  AS/NZS 4357.1:2005 Rec:2016 Structural laminated veneer lumber - Part 1: Method of test for measurement of dimensions and shape
  AS/NZS 4357.2:2006 Rec:2016 Structural laminated veneer lumber (LVL) - Part 2: Determination of structural properties - Test methods
  AS/NZS 4357.3:2006 AMDT 1 Structural laminated veneer lumber (LVL), Part 3: Determination of structural properties - Evaluation methods
  AS/NZS 4357.4:2005 Rec:2016 Structural laminated veneer lumber - Part 4: Determination of formaldehyde emissions
  AS/NZS ISO 10984.1:2015 Timber structures - Dowel-type fasteners, Part 1: Determination of yield moment
  AS/NZS ISO 10984.2:2015 Timber structures - Dowel-type fasteners, Part 2: Determination of embedding strength
  ISO 10983:2014 Timber -- Finger joints -- Minimum production requirements and testing methods
  ISO 10984-1:2009 Timber structures -- Dowel-type fasteners
  ISO 10984-2:2009 Timber structures -- Dowel-type fasteners
  ISO 12122-1:2014 Timber structures -- Determination of characteristic values
  ISO 12122-3:2016 Timber structures -- Determination of characteristic values
  ISO 12122-4:2017 Timber structures -- Determination of characteristic values
  ISO 12122-5:2018 Timber structures -- Determination of characteristic values
  ISO 12122-6:2017 Timber structures -- Determination of characteristic values
  ISO 12578:2016 Timber structures -- Glued laminated timber -- Component performance requirements
  ISO 12579:2007 Timber structures -- Glued laminated timber -- Method of test for shear strength of glue lines
  ISO 12580:2007 Timber structures -- Glued laminated timber -- Methods of test for glue-line delamination
  ISO 13910:2014 Timber structures -- Strength graded timber -- Test methods for structural properties
  ISO 16507:2013 Timber structures -- Uniform, concentrated static and concentrated impact loads on wood-based roof and floor panel assemblies -- Test methods
  ISO 16572:2008 Timber structures -- Wood-based panels -- Test methods for structural properties
  ISO 16598:2015 Timber structures -- Structural classification for sawn timber
  ISO 16670:2003 Timber structures -- Joints made with mechanical fasteners -- Quasi-static reversed-cyclic test method
  ISO 16696-1:2019 Timber structures - Cross laminated timber
  ISO 17087:2006 Specifications for adhesives used for finger joints in non-structural lumber products
  ISO 17754:2014 Timber structures -- Test methods -- Torsional resistance of driving in screws

ISO 18100:2017 Timber structures -- Finger-jointed timber -- Manufacturing and production requirements
ISO 18324:2016 Timber structures -- Test methods -- Floor vibration performance
ISO 18402:2016 Timber structures -- Structural insulated panel roof construction
ISO 19049:2016 Timber structures -- Test method -- Static load tests for horizontal diaphragms including floors and roofs
ISO 19323:2018 Timber structures -- Joist hangers -- Test methods
ISO 19993:2020 Timber structures -- Glued laminated timber -- Face and edge joint cleavage test
ISO 20152-1:2010 Timber structures -- Bond performance of adhesives
ISO 20152-2:2011 Timber structures -- Bond performance of adhesives
ISO 21581:2010 Timber structures - Static and cyclic lateral load test methods for shear walls
ISO 22389-1:2010 Timber structures -- Bending strength of I-beams
ISO 22389-2:2020 Timber structures -- Bending applications of I-beams
ISO 22390:2020 Timber structures -- Laminated veneer lumber -- Structural properties
ISO 22452:2011 Timber structures -- Structural insulated panel walls -- Test methods
ISO 6891:1983 Timber structures -- Joints made with mechanical fasteners -- General principles for the determination of strength and deformation characteristics
ISO 8375:2017 Timber structures -- Glued laminated timber -- Test methods for determination of physical and mechanical properties
ISO 8969:2011 Timber structures -- Testing of punched metal plate fasteners and joints
ISO 8970:2020 Timber structures -- Testing of joints made with mechanical fasteners -- Requirements for timber density
ISO/TR 18267:2013 Timber structures -- Review of design standards
ISO/TR 19623:2019 Timber structures -- Glued laminated timber -- Assignment of glued laminated timber characteristic values from laminate properties
ISO/TR 20152-3:2013 Timber structures -- Bond performance of adhesives
ISO/TR 21136:2017 Timber structures -- Vibration performance criteria for timber floors

- **Plywood**

AS 6669:2016 Plywood - Formwork
AS/NZS 1604.3-2012 Specification for preservative treatment - Plywood
AS/NZS 2097:2006 Rec:2016 Methods for sampling veneer and plywood
AS/NZS 2098.0:2006 Rec:2016 Methods of test for veneer and plywood - Part 0: General introduction and list of methods
AS/NZS 2098.1:2006 Rec:2016 Methods of test for veneer and plywood - Method 1: Moisture content of veneer and plywood
AS/NZS 2098.2:2012 Methods of test for veneer and plywood, Method 2: Bond quality of plywood (chisel test)
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
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
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
AS/NZS 2098.6:2006 Rec:2016 Methods of test for veneer and plywood - Method 6: Depth of peeler checks in veneer and plywood
AS/NZS 2098.7:2006 Rec:2016 Methods of test for veneer and plywood - Method 7: Density of veneer and plywood
AS/NZS 2098.8:2006 Rec:2016 Methods of test for veneer and plywood - Method 8: Water absorption and thickness swelling of unpainted plywood
AS/NZS 2098.11:2005 Rec:2016 Methods of test for veneer and plywood - Method 11: Determination of formaldehyde emissions for plywood
AS/NZS 2269.0:2012 Plywood - Structural, Part 0: Specifications
AS/NZS 2269.1:2012 Plywood - Structural, Part 1: Determination of structural properties - Test methods
AS/NZS 2269.2:2007 Plywood - Structural, Part 2: Determination of structural properties - Evaluation methods
AS/NZS 2270:2006 Rec:2016 Plywood and blockboard for interior use
AS/NZS 2271:2004 Rec:2016 Plywood and blockboard for exterior use
AS/NZS 2272:2006 Rec:2016 Plywood - Marine

AS/NZS 2754.1:2016 Adhesives for timber and timber products, Part 1: Adhesives for manufacture of plywood and laminated veneer lumber (LVL)
ISO 1096:2021 Plywood -- Classification
ISO 12465:2007 Plywood -- Specifications
ISO 12466-1:2007 Plywood -- Bonding quality
ISO 12466-2:2007 Plywood -- Bonding quality
ISO 13608:2014 Plywood -- Decorative veneered plywood
ISO 13609:2021 Wood-based panels -- Plywood -- Blockboards and battenboards
ISO 1954:2013 Plywood -- Tolerances on dimensions
ISO 2074:2007 Plywood -- Vocabulary
ISO 2426-1:2020 Plywood -- Classification by surface appearance
ISO 2426-2:2020 Plywood -- Classification by surface appearance
ISO 2426-3:2000 Plywood -- Classification by surface appearance
ISO 2426-4:2018 Plywood -- Classification by surface appearance

- **Reconstituted wood-based panels**

  AS/NZS 1859.1:2017 Reconstituted wood-based panels - Specifications, Part 1: Particleboard
  AS/NZS 1859.2:2017 Reconstituted wood-based panels - Specifications, Part 2: Dry process fibreboard
  AS/NZS 1859.3:2017 Reconstituted wood-based panels - Specifications, Part 3: Decorative overlaid wood panels
  AS/NZS 1859.4:2018 Reconstituted wood-based panels - Specifications, Part 4: Wet process fibreboard
  AS/NZS 1860.1:2017 Particleboard Flooring, Part 1: Specifications
  AS 1860.2: 2006 Rec:2016 Particleboard flooring - Part 2: Installation
  AS/NZS 4266.1:2017 Reconstituted wood-based panels - Methods of testing, Part 1: Base Panels
  AS/NZS 4266.2:2017 Reconstituted wood-based panels - Methods of testing, Part 2: Decorative overlaid panels
  ISO 12460-1:2007 Wood-based panels -- Determination of formaldehyde release
  ISO 12460-2:2018 Wood-based panels -- Determination of formaldehyde release
  ISO 12460-3:2020 Wood-based panels -- Determination of formaldehyde release
  ISO 12460-4:2016 Wood-based panels -- Determination of formaldehyde release
  ISO 12460-5:2015 Wood-based panels -- Determination of formaldehyde release
  ISO 16572:2008 Timber structures -- Wood-based panels -- Test methods for structural properties
  ISO 16893:2016 Wood-based panels -- Particleboard
  ISO 16894:2009 Wood-based panels -- Oriented strand board (OSB) -- Definitions, classification and specifications
  ISO 16895:2016 Wood-based panels -- Dry-process fibreboard
  ISO 17064:2016 Wood-based panels -- Fibreboard, particleboard and oriented strand board (OSB) -- Vocabulary
  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)
  ISO 27528:2009 Wood-based panels -- Determination of resistance to axial withdrawal of screws
  ISO 27769:2016 Wood-based panels -- Wet process fibreboard

- **Chain of Custody**

  AS 4707:2021 Chain of Custody of Forest and Tree-based Products - Requirements

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*

a) 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.

b) 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.

c) 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.

ForestWorks has a number of resources to support safe forestry operations, 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.[6]

[6] Resources are available from the ForestWorks website: <http://www.forestworks.com.au/>

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.

Future skill needs in the industry

Anticipating future skills needs in the forest and wood products industry is crucial to prepare for and meet the new demands for forest sustainability and timber product markets in Australia.

Each year, Skills Impact works on behalf of Industry Reference Committees (IRCs) to develop an *IRC Skills Forecast and Proposed Schedule of Work (IRC Skills Forecast).*

Through consultation with industry, *IRC Skills Forecast* identify skills gaps, emerging skills needs and associated training needs for industry, and determine whether there is a need to change training packages. The *IRC Skills Forecast* propose a plan for reviewing and developing the relevant units, skill sets and qualifications and they are submitted annually (usually in April) to the Australian Industry Skills Committee (AISC) for its consideration and approval.

The AISC draws on information from Skills Forecasts to prepare and update the *National Schedule*. The *National Schedule* provides details of all training package review and development work currently underway and work commissioned by the Australian Industry and Skills Committee (AISC).

The following IRCs are responsible for the *FWP Forest and Wood Products Training Package*.

IRC Skills Forecasts are available to view and download from the Skills Impact website https://www.skillsimpact.com.au/irc-skills-forecasts/.

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 Timber Supply

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 ▪ 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.

The table on the following page provides a summary of typical occupational outcomes of 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**

II	• 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)

III	• 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

IV	• 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
V	• 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.

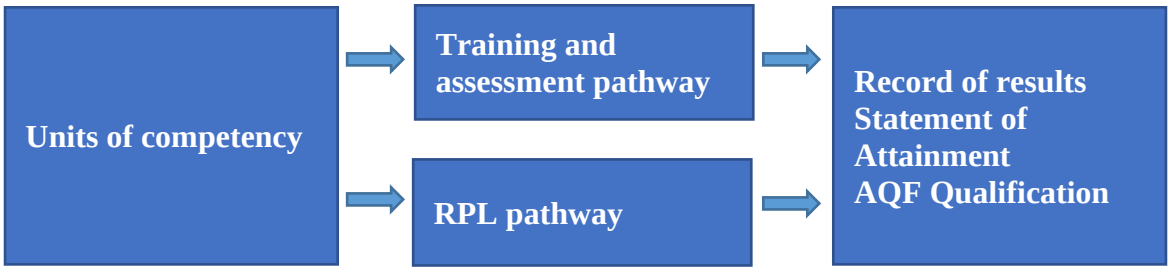
AQF Qualifications Pathways Policy Requirements

The AQF Qualifications Pathways Policy,[7] 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.



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.

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

[7] The AQF Qualifications Pathways Policy is available to download form the Australian Qualifications Framework website: <http://www.aqf.edu.au/aqf/in-detail/aqf-policies/>

current competency, which may have been gained through formal or informal learning, work experience or general life experience.

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.

The following qualifications may be suitable for delivery to secondary students. Training package users are advised to contact the relevant STA/TTA for further advice.

- 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

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.[8]

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

Training package users are advised to contact the relevant STA/TTA for further advice.

8 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.

Progression between qualifications

Qualifications have been designed to allow learners to move upwards and across AQF levels and industry sectors. The diagram on the following page shows the various options for movement into and between current 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.

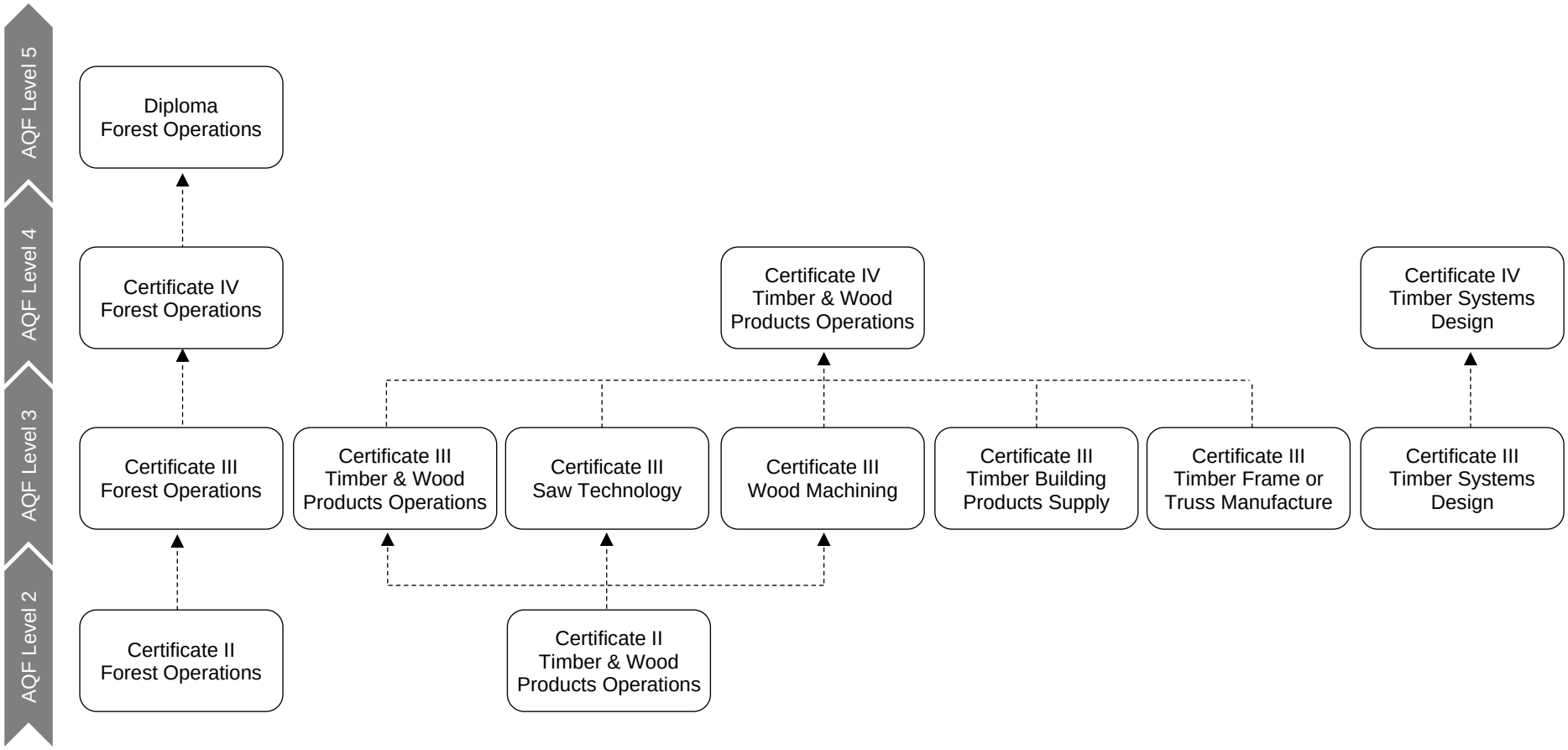
Saw Technicians who undertake FWP31021 Certificate III in Saw Technology and wish to pursue a higher-level technical job role in the timber industry can access skills in maintaining saws' hydraulic and pneumatic systems via the skill sets FWPSS00039 Skill set for hydraulic maintenance of saw technology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

Forest and Wood Products Career Pathway



Entry requirements for qualifications

Any specific entry requirements for qualifications in the *FWP Forest and Wood Products Training Package* are described in each qualification. The entry requirements ensure an individual has the skills and knowledge required to undertake the qualification.

Qualification	**Entry requirements**
FWP20122 Certificate II in Forest Operations	No entry requirements
FWP20322 Certificate II in Timber and Wood Products Operations	No entry requirements
FWP30122 Certificate III in Forest Operations	No entry requirements
FWP30322 Certificate III in Timber and Wood Products Operations	No entry requirements
FWP30622 Certificate III in Timber Building Products Supply	No entry requirements
FWP30920 Certificate III in Timber Frame or Truss Manufacture	No entry requirements
FWP31021 Certificate III in Saw Technology	No entry requirements
FWP31121 Certificate III in Wood Machining	No entry requirements
FWP31220 Certificate III in Timber Systems Design	No entry requirements
FWP40121 Certificate IV in Forest Operations	No entry requirements
FWP40222 Certificate IV in Timber and Wood Products Operations	No entry requirements
FWP40420 Certificate IV in Timber Systems Design	No entry requirements
FWP50121 Diploma of Forest Operations	No 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 also 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[9]. 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.

Some specific considerations in relation to the *FWP Forest and Wood Products Training Package* are included in the following section.

Fell trees manually (Basic, Intermediate and Advanced)

The Forest Management and Harvesting IRC take matters concerning safety seriously and based on feedback they have received from participants in the forestry industry that the units listed do not provide sufficient assessment activities for an individual to be able to demonstrate competency.

- FWPCOT2274 Fell trees manually (basic)
- FWPCOT3347 Fell trees manually (intermediate)
- FWPCOT3348 Fell trees manually (advanced)

The Forest Management and Harvesting Industry Reference Committee (IRC) have advised that RTOs should continue to utilise the units of competency listed below for fell trees manually (basic, intermediate, and advanced) until such time that a full review can be undertaken in 2023.

- FWPCOT2253- Fell trees manually (basic)
- FWPFGM3216- Fell trees manually (intermediate)
- FWPFGM3217- Fell trees manually (advanced)

The current fell trees manually units of competency have been updated with improvements to a range of performance criteria but also a reduction to the number of trees that need to be felled to demonstrate competence within the performance evidence. This is due to reports that access to

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[9] RTOs regulated by Australian Skills Quality Authority (ASQA) must comply with the Standards for Registered Training Organisations (RTOs) 2015. RTOs regulated by the Western Australian Training Accreditation Council (WA TAC) or the Victorian Registration and Qualifications Authority (VRQA) must check with their regulator for current requirements.

several trees per student for skill assessment is no longer practical, particularly in non-forestry settings. It is therefore imperative that any RTO that decides to deliver any of the current units of competency, that they should ensure that students have undertaken sufficient training prior to assessment to ensure they have demonstrated the necessary skills and knowledge regarding safety and as a minimum followed the guidance below.

Tree felling is a potentially hazardous activity and students need to be fully trained and skilled before being assessed as competent by felling live trees.

Fell trees manually (Basic)

The learner must demonstrate competence in performing:

- standard cutting techniques for felling a tree with basic characteristics on 4 occasions (4 times), which could be achieved, for example, on real trees or sample stamps where real trees are not available, and
- the felling of 2 rather than 4 trees with basic characteristics by using the same cutting techniques.

Overall, the above can result, with appropriate training, in a similar, if not better, learning outcome while addressing the issue of tree access in non-forestry settings, providing the level of training is sufficient before the final summative competency assessment takes place.

Fell trees manually (Intermediate)

Performance Evidence has been changed from solely requiring a specific number of trees to be felled towards a demonstration of both cutting and felling techniques. This will support better training outcomes without the need to access to several trees per student for skill assessment. Falling trees should only be performed after sufficient training activities results in the trainer being confident that assessment with falling live trees will not pose a hazard to the student.

The learner must demonstrate competence in performing:

- two different cutting techniques, each on 2 occasions (2 times), for felling a tree with intermediate characteristics, which could be achieved on real trees or sample stamps where real trees are not available, and
- the felling of 2 rather than 6 trees with intermediate characteristics by using the same cutting techniques.

Overall, the above can result, with appropriate training in a similar, if not better, learning outcome while addressing the issue of tree access in non-forestry settings providing the level of training is sufficient before the final summative competency assessment takes place.

Fell trees manually (Advanced)

Performance Evidence amended in line with the basic and intermediate unit and the participants' request that the focus be changed from solely requiring a specific number of trees to be felled towards a demonstration of both cutting and felling techniques. This is due to reports that access to several trees per student for skill assessment is no longer practical, particularly in non-forestry settings. . Falling trees should only be performed after sufficient training activities results in the trainer being confident that assessment with falling live trees will not pose a hazard to the student.

The learner must demonstrate competence in performing:

- 2 different cutting techniques, each on 2 occasions (2 times), for felling a tree with advanced characteristics, which could be achieved, for example, on real trees or sample stamps where real trees are not available, and
- the felling of 2 rather than 6 trees with advanced characteristics by using an appropriate cutting technique.

Overall, the above can result, with appropriate training, in a similar, if not better, learning outcome while addressing the issue of tree access in non-forestry settings.

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, field-work, 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.[10]

[10] Information sourced from Australian Government, ASQA, *Fact Sheet: Determining the amount of training*, <https://www.asqa.gov.au/sites/g/files/net2166/f/FACT_SHEET_Amount_of_training.pdf> viewed June 2017:

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).

Reasonable adjustment for learners with disabilities

A legislative framework underpins and supports the delivery of vocational education and training across Australia. Under this framework, RTOs must take steps to provide enrolled learners with recognised disabilities access to same training as learners 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.[11]

[11] The *Disability Standards for Education, 2005* and accompanying guidance notes can be downloaded at <http://education.gov.au/disability-standards-education>.

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 2012,* training package developers must include foundation skills in units of competency, however, the method and format for doing this has not been prescribed.

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

Foundation Skills *This section describes those language, literacy, numeracy and employment skills that are essential for performance in this unit of competency but are not explicit in the performance criteria.*	
Skill	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 Read and understand standard operating procedures and/or manufacturer's instructions for the operation of forest harvesting machinery
Writing	Record operation, production and machine maintenance on paper based or electronic media
Oral Communication	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 Use appropriate vocabulary including technical language directly relevant to role
Numeracy	Interpret gauges relevant to safe operation of harvesting machinery Determine construction of stable log stack

Frameworks used

The foundation skills are derived from the following national framework:

- The *Australian Core Skills Framework* (ACSF) is used to identify learning, language, literacy and numeracy (LLN) skills.

The ACSF can be downloaded at: https://www.employment.gov.au/australian-core-skills-framework

The five skills from the ACSF 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.

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 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
NSW	Work Health and Safety Act 2011
	Work Health and Safety Regulation 2017
QLD	Work Health and Safety Act 2011
	Work Health and Safety Regulation 2011
SA	Work Health and Safety Act 2012
	Work Health and Safety Regulations 2012
TAS	Work Health and Safety Act 2012
	Work Health and Safety Regulations 2012
VIC	Occupational Health and Safety Act 2004 and Regulations 2007
	Occupational Health and Safety Regulations 2007
WA	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

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.

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) Regulations 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

Jurisdiction	Legislation
	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	http://www.agriculture.gov.au/forestry/policies/2020vision
	National Indigenous Forestry Strategy 2005	Department of Agriculture and Water Resources	http://www.agriculture.gov.au/forestry/policies/nifs
	Australia's Biodiversity Conservation Strategy 2010-2030	Department of Environment and Energy	http://www.environment.gov.au/biodiversity/publications/australias-biodiversity-conservation-strategy
	Australia's strategy for the National Reserve System 2009-2030	Department of Environment and Energy	http://www.environment.gov.au/land/nrs/publications/strategy-national-reserve-system
	Farm Forestry National Action Statement 2005	Department of Agriculture and Water Resources	http://www.agriculture.gov.au/forestry/australias-forests/plantation-farm-forestry/publications/farm_forestry_national_action_statement
	The Australian Forestry Standard for Forest Management (AS 4708:2013)	Australian Standards	http://www.forestrystandard.org.au/standards/australian-standards/forest-management
	FSC Australia – Forest Stewardship Standard (AFSS) (Draft)	FSC Australia	https://au.fsc.org/en-au/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

Jurisdiction	Policy	Department	Website
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

Jurisdiction	Policy	Department	Website
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.

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[12]

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.

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[12] Australian Forest Products Association (AFPA), Safe&Skilled. Available at https://www.afca.asn.au/news-projects-2/safeskilled

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)

Machine Type	Unit of Competency Approved for Hazardous Activities	
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.[13]

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

[13] Fair Work Ombudsman: < http://www.fairwork.gov.au/how-we-will-help/templates-and-guides/fact-sheets/unpaid-work)>

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.

Training Package developer's quality assurance process for Companion Volumes

Companion Volumes are developed in consultation with industry representatives, trainers and assessors, members of Industry Reference Committees (IRCs) and their representatives. These key stakeholders provide and review content to ensure that information is relevant and useful.

The Companion Volumes undergo continuous improvement in response to feedback lodged on the Skills Impact website (http://www.skillsimpact.com.au/contact/.)

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 (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

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/training
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 8.1 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 8.1 **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

FWP Forest and Wood Products Training Package Version 8.1 **Skill Sets**	
Code	**Title**
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 8.1 ***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

FWP Forest and Wood Products Training Package Version 8.1 *Units of Competency*	
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
FWPCOT2274	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

FWP Forest and Wood Products Training Package Version 8.1 *Units of Competency*	
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

FWP Forest and Wood Products Training Package Version 8.1 *Units of Competency*	
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
FWPCOT3347	Fell trees manually (intermediate)
FWPCOT3348	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

FWP Forest and Wood Products Training Package Version 8.1 *Units of Competency*	
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

FWP Forest and Wood Products Training Package Version 8.1 *Units of Competency*	
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

FWP Forest and Wood Products Training Package Version 8.1 *Units of Competency*	
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

FWP Forest and Wood Products Training Package Version 8.1 *Units of Competency*	
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

FWP Forest and Wood Products Training Package Version 8.1 Units of Competency	
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 8.1 *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

FWP Forest and Wood Products Training Package Version 8.1 Imported Units of Competency		
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

FWP Forest and Wood Products Training Package Version 8.1 Imported Units of Competency		
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

FWP Forest and Wood Products Training Package Version 8.1 Imported Units of Competency		
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

FWP Forest and Wood Products Training Package Version 8.1 *Imported Units of Competency*		
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

FWP Forest and Wood Products Training Package Version 8.1 *Imported Units of Competency*		
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

FWP Forest and Wood Products Training Package Version 8.1 *Imported Units of Competency*		
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

FWP Forest and Wood Products Training Package Version 8.1 Imported Units of Competency		
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

FWP Forest and Wood Products Training Package Version 8.1 *Imported Units of Competency*		
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

FWP Forest and Wood Products Training Package Version 8.1 Imported Units of Competency		
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

FWP Forest and Wood Products Training Package Version 8.1 Imported Units of Competency		
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 8.0 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 2	FWP40222 Certificate IV in Timber and Wood Products Operations Release 1	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;	Not equivalent

Code and title (Version 7.1)	Code and title (Version 8.0)	Comments	Equivalence statement
		Added new units and revised existing units	
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	Not equivalent

Code and title (Version 7.1)	Code and title (Version 8.0)	Comments	Equivalence statement
		units; Revised the structure (groups) of the elective units; Imported elective units from other training packages; Added new units and revised existing units	
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	Not applicable	Not applicable	Deleted

Code and title (Version 7.1)	Code and title (Version 8.0)	Comments	Equivalence statement
jointing plant operator			
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

Code and title (Version 7.1)	Code and title (Version 8.0)	Comments	Equivalence statement
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	Redesigned unit that includes content from	Not equivalent

Code and title (Version 7.1)	Code and title (Version 8.0)	Comments	Equivalence statement
	wood product to length or dimensions	FWPCOT2234 Dock material to length, FWPSAW2204 Dock boards with mechanical feed and FWPWPP2213 Cut panels	
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	Not equivalent

Code and title (Version 7.1)	Code and title (Version 8.0)	Comments	Equivalence statement
		equipment. Includes content from previous unit. Major changes to all sections of the unit.	
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	Not equivalent

Code and title (Version 7.1)	Code and title (Version 8.0)	Comments	Equivalence statement
		FWPWPP3212 Dry material	
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	Not equivalent

Code and title (Version 7.1)	Code and title (Version 8.0)	Comments	Equivalence statement
		skill or task that is required by industry.	
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

Code and title (Version 7.1)	Code and title (Version 8.0)	Comments	Equivalence statement
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	Not equivalent

Code and title (Version 7.1)	Code and title (Version 8.0)	Comments	Equivalence statement
		new Knowledge Evidence items	
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,	Not equivalent

Code and title (Version 7.1)	Code and title (Version 8.0)	Comments	Equivalence statement
		FWPSAW3231 Perform secondary log breakdown and FWPSAW3241 Set up and operate production saws used in sawmill operations	
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	Not equivalent

Code and title (Version 7.1)	Code and title (Version 8.0)	Comments	Equivalence statement
		Evidence Revised Assessment Conditions	
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	The unit has been redeveloped to address a skill or	Not equivalent

Code and title (Version 7.1)	Code and title (Version 8.0)	Comments	Equivalence statement
	laminated veneer lumber production	task required by industry that is not covered by an existing unit.	
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	The unit has been created to address a skill or task required by industry that is not	Newly created

Code and title (Version 7.1)	Code and title (Version 8.0)	Comments	Equivalence statement
	potential equipment failures	covered by an existing unit.	
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

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	Not equivalent

Code and title (Version 6.3)	Code and title (Version 7.0)	Comments	Equivalence statement
		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	
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

Code and title (Version 6.3)	Code and title (Version 7.0)	Comments	Equivalence statement
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	Not equivalent

Code and title (Version 6.3)	Code and title (Version 7.0)	Comments	Equivalence statement
		new units and revised existing units	
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

Code and title (Version 6.3)	Code and title (Version 7.0)	Comments	Equivalence statement
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	FWPSS00062 Excavator With Log	Removed first aid; Updated to reflect the new unit codes	Equivalent

Code and title (Version 6.3)	Code and title (Version 7.0)	Comments	Equivalence statement
with log grapple operator	Grapple Operator Skill Set	from FWP Forest and Wood Products Training Package V7.0	
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	Not applicable	Deleted	Deleted

Code and title (Version 6.3)	Code and title (Version 7.0)	Comments	Equivalence statement
forest and wood products industry			
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	Not equivalent

Code and title (Version 6.3)	Code and title (Version 7.0)	Comments	Equivalence statement
		Evidence; Reworded Foundation Skills and Assessment Conditions	
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	Equivalent

Code and title (Version 6.3)	Code and title (Version 7.0)	Comments	Equivalence statement
		Evidence; Minor changes to Knowledge Evidence; Revised Assessment Conditions	
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	FWPCOT3322 Apply quality and product	Updated unit title; Reworded Elements,	Equivalent

Code and title (Version 6.3)	Code and title (Version 7.0)	Comments	Equivalence statement
product care procedures	care procedures in forest and wood products operations	Performance Criteria and Foundation Skills; Minor changes to Knowledge Evidence; Updated Assessment Conditions	
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	Equivalent

Code and title (Version 6.3)	Code and title (Version 7.0)	Comments	Equivalence statement
		Evidence, Knowledge Evidence and Assessment Conditions	
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	Updated unit title; Minor changes to Application and Performance Criteria; Revised	Equivalent

Code and title (Version 6.3)	Code and title (Version 7.0)	Comments	Equivalence statement
	and wood products industry	Performance and Knowledge Evidence; Revised Assessment Conditions	
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	FWPCOT5211 Implement forest management certification scheme	Redesigned unit that includes content from FWPCOT5206 Implement forestry	Not equivalent

Code and title (Version 6.3)	Code and title (Version 7.0)	Comments	Equivalence statement
custody certification process		chain of custody certification system and FWPCOT6202 Develop and manage a forestry chain of custody certification process	
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	Not equivalent

Code and title (Version 6.3)	Code and title (Version 7.0)	Comments	Equivalence statement
		Manage community engagement	
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	FWPCOT5215 Apply innovative thinking to	Redesigned unit that includes content from	Not equivalent

Code and title (Version 6.3)	Code and title (Version 7.0)	Comments	Equivalence statement
thinking and practice in the forest and wood products industry	support forestry best practice	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	
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	Not equivalent

Code and title (Version 6.3)	Code and title (Version 7.0)	Comments	Equivalence statement
		in the forest and wood products industry and FWPCOT6209 Manage forest and wood products industry research	
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	FWPFOM5002 Contribute to and	Updated unit title; Updated Application,	Not equivalent

Code and title (Version 6.3)	Code and title (Version 7.0)	Comments	Equivalence statement
construction and maintenance	implement a forest roading operational plan	Performance Criteria, Performance Evidence and Knowledge Evidence; Updated Assessment Conditions	
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

Code and title (Version 6.3)	Code and title (Version 7.0)	Comments	Equivalence statement
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	Equivalent

Code and title (Version 6.3)	Code and title (Version 7.0)	Comments	Equivalence statement
		Performance Evidence and Assessment Conditions	
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	Equivalent

Code and title (Version 6.3)	Code and title (Version 7.0)	Comments	Equivalence statement
		Foundation Skills and Assessment Conditions	
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	Equivalent

Code and title (Version 6.3)	Code and title (Version 7.0)	Comments	Equivalence statement
		Performance and Knowledge Evidence; Updated Foundation Skills and Assessment Conditions	
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	FWPSIL3003 Use mechanised equipment for forestry site preparation	New title; Minor edits to Performance Criteria; New Performance Evidence and added	Not equivalent

Code and title (Version 6.3)	Code and title (Version 7.0)	Comments	Equivalence statement
preparation on steep slope		item in Knowledge Evidence	
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

Code and title (Version 6.3)	Code and title (Version 7.0)	Comments	Equivalence statement
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	The unit has been created to address a skill or task required	Newly created

Code and title (Version 6.3)	Code and title (Version 7.0)	Comments	Equivalence statement
	wood products industry	by industry that is not covered by an existing unit	
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

Code and title (Version 6.3)	Code and title (Version 7.0)	Comments	Equivalence statement
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	The unit has been created to address a skill or task required	Newly created

Code and title (Version 6.3)	Code and title (Version 7.0)	Comments	Equivalence statement
	forest management practices	by industry that is not covered by an existing unit	
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

Code and title (Version 6.3)	Code and title (Version 7.0)	Comments	Equivalence statement
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	Equivalent

Code and title (Version 6.1)	Code and title (Version 6.2)	Comments	Equivalence statement
		Training Package V6.0	
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	Equivalent

Code and title (Version 6.0)	Code and title (Version 6.1)	Comments	Equivalence statement
		enrolments, as agreed by the AISC	
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'	Equivalent

Code and title (Version 6.0)	Code and title (Version 6.1)	Comments	Equivalence statement
		priority of removing training products with low or no enrolments, as agreed by the AISC	
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

Code and title (Version 6.0)	Code and title (Version 6.1)	Comments	Equivalence statement
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	Deleted

Code and title (Version 6.0)	Code and title (Version 6.1)	Comments	Equivalence statement
		products with low or no enrolments, as agreed by the AISC.	
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

Code and title (Version 6.0)	Code and title (Version 6.1)	Comments	Equivalence statement
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	Deleted

Code and title (Version 6.0)	Code and title (Version 6.1)	Comments	Equivalence statement
		products with low or no enrolments, as agreed by the AISC.	
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

Code and title (Version 6.0)	Code and title (Version 6.1)	Comments	Equivalence statement
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	Deleted

Code and title (Version 6.0)	Code and title (Version 6.1)	Comments	Equivalence statement
		products with low or no enrolments, as agreed by the AISC.	
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

Code and title (Version 6.0)	Code and title (Version 6.1)	Comments	Equivalence statement
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	Deleted

Code and title (Version 6.0)	Code and title (Version 6.1)	Comments	Equivalence statement
		products with low or no enrolments, as agreed by the AISC.	
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

Code and title (Version 6.0)	Code and title (Version 6.1)	Comments	Equivalence statement
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	FWP30216 Certificate III in	Updated to include revised and new units as well as	Equivalent

Code and title (Version 5.0)	Code and title (Version 6.0)	Comments	Equivalence statement
Harvesting and Haulage Release 2	Harvesting and Haulage Release 3	superseded imported units	
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			Deleted

Code and title (Version 5.0)	Code and title (Version 6.0)	Comments	Equivalence statement
Timber Truss and Frame Manufacture			
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,	Equivalent

Code and title (Version 5.0)	Code and title (Version 6.0)	Comments	Equivalence statement
		Foundation Skills and Assessment Requirements reviewed and updated	
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	Equivalent

Code and title (Version 5.0)	Code and title (Version 6.0)	Comments	Equivalence statement
		Reworded Elements Updated Foundation Skills, Performance Evidence Knowledge Evidence and Assessment Conditions	
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	Equivalent

Code and title (Version 5.0)	Code and title (Version 6.0)	Comments	Equivalence statement
		Elements and Performance Criteria reworded and re-sequenced Assessment Requirements updated	
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

Code and title (Version 5.0)	Code and title (Version 6.0)	Comments	Equivalence statement
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

Code and title (Version 5.0)	Code and title (Version 6.0)	Comments	Equivalence statement
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	Equivalent

Code and title (Version 5.0)	Code and title (Version 6.0)	Comments	Equivalence statement
		Updated Foundation Skills, Performance Evidence and Assessment Conditions	
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

Code and title (Version 5.0)	Code and title (Version 6.0)	Comments	Equivalence statement
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

Code and title (Version 5.0)	Code and title (Version 6.0)	Comments	Equivalence statement
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	FWPTMM4211 Interpret details of timber wall frames to inform design of	Redesigned unit using content from FWPTMM4207 Prepare and advise on a broad range of timber wall frame	Not Equivalent

Code and title (Version 5.0)	Code and title (Version 6.0)	Comments	Equivalence statement
documents using computers	plans and production documents	details using computers and FWPTMM3206 Interpret designs to prepare timber wall frame drawings and documents using computers Re-titled	
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	Not Equivalent

Code and title (Version 5.0)	Code and title (Version 6.0)	Comments	Equivalence statement
		drawings and documents using computers Re-titled	
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

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	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

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**
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	FWPCOT2250 Visually stress grade softwood	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	FWPCOT2251 Visually stress grade cypress	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	Equivalent unit

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**
		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.	
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	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	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

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**
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	Equivalent unit

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**
		skills; updated performance evidence to map to performance criteria; updated unit code to reflect changes and meet compliance.	
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

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**
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
FWPCOT3265 Cut timber or engineered wood product to profile	FWPCOT3299 Cut timber or engineered wood product to profile	Reworded performance evidence for clarity.	Equivalent unit
FWPCOT3266 Dress timber using multi-headed machines	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	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

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**
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

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**
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;	Equivalent unit

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**
		added performance criteria to clarify process; split element 2; specified the types of band saw blades in performance evidence.	
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

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**
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

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**
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

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	FWP50216 Diploma of Timber Truss and Frame Manufacture	Updated to include revised and new units and superseded and deleted imported units	Equivalent

Code and title (Version 3.0)	Code and title (Version 4.0)	Comments	Equivalence statement
Release 1	Release 2		
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

Code and title (Version 3)	Code and title (Version 4)	Comments	Equivalence statement
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	New unit	Not applicable

Code and title (Version 3)	Code and title (Version 4)	Comments	Equivalence statement
	building systems on-site		
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	New unit	Not applicable

Code and title (Version 3)	Code and title (Version 4)	Comments	Equivalence statement
	building systems during manufacture		
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	Equivalent

Code and title (Version 3)	Code and title (Version 4)	Comments	Equivalence statement
		and assessment requirements; changed unit title and code for compliance and consistency with the updates	

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 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

Code and title (Version 2.0)	Code and title (Version 3.0)	Comments	Equivalence statement
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

Code and title (Version 2.0)	Code and title (Version 3.0)	Comments	Equivalence statement
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	No equivalent unit

Code and title (Version 2.0)	Code and title (Version 3.0)	Comments	Equivalence statement
		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.	
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

Code and title (Version 2.0)	Code and title (Version 3.0)	Comments	Equivalence statement
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

Code and title (Version 2.0)	Code and title (Version 3.0)	Comments	Equivalence statement
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 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

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**
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

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**
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

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**
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

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**
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

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**
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

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**
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

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**
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

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**
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

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**
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

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**
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

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**
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

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**
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

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**
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

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**
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

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**
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

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**
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

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**
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

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Unit code and title (FPI11 Version 2.3)	**Unit code and title (FWP Version 2.0)**	**Equivalence**
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