

**Companion Volume  
Implementation Guide**

**FWP Forest and Wood Products**

**Training Package**

**Version 3.0**

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Implementation Guide modification history

|  |  |  |  |
| --- | --- | --- | --- |
| Release number | Release date | Author | Comments |
| 3.0 | [Month Year] | Skills Impact | Implementation Guide created to accompany release of Forest and Wood Products Training Package V3.0. |

# 

# 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
* legislative requirements
* 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 products

Training packages consist of endorsed and non-endorsed products. Although all components must be developed to comply with the *Standards for Training Packages 2012[[1]](#footnote-2),* endorsed components must be submitted for approval by the Australian Industry and Skills Committee before they are released for use.

Endorsed products

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

Non-endorsed products

|  |  |
| --- | --- |
| Product | Description |
| **Skill set** | A skill set addresses a particular industry need or a licensing or regulatory requirement. A skill set is not endorsed but includes endorsed units of competency. |
| Companion volume | This general term refers to any 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[[2]](#footnote-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. |
| 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 align 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. |
| Government | The Australian Government supports the AISC and its network of IRCs, and manages the SSOs.  State and territory governments 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. |

### 

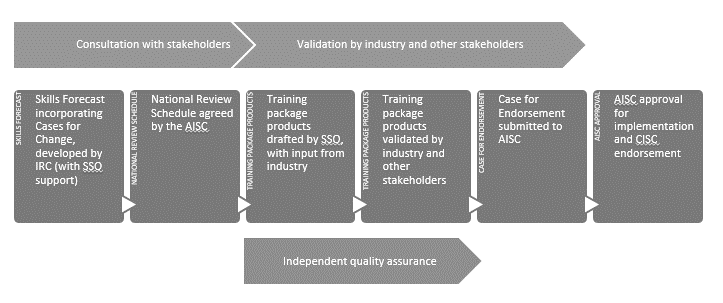
The development process

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. [[3]](#footnote-4)



Step by step, process of training package development is demonstrated in order of activities and decision points as follows:

Contents of this training package

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

Prerequisite requirements

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

Imported units

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

* AHC Agriculture, Horticulture and Conservation and Land Management
* AHC10 Agriculture, Horticulture and Conservation and Land Management
* AUR Automotive Retail, Service and Repair Training Package
* AUR12 Automotive Industry Retail, Service and Repair Training Package
* BSB Business Services Training Package
* BSB07 Business Services Training Package
* CPC08 Construction, Plumbing and Services Training Package
* CPP07 Property Services Training Package
* CUA Creative Arts and Culture Training Package
* CUV11 Visual Arts, Crafts and Design Training Package
* HLT Health
* ICT Information and Communications Technology
* LGA04 Local Government Training Package
* MEM05 Metal and Engineering Training Package
* MSA07 Manufacturing Training Package
* MSF Furnishing Training Package
* MSS11 Sustainability Training Package
* MSS Sustainability Training Package
* PSP04 Public Sector Training Package
* PUA00 Public Safety Training Package
* PUA12 Public Safety Training Package
* RII Resources and Infrastructure Industry Training Package
* SIR07 Retail Services Training Package
* SIR Retail Services Training Package
* SIT12 Tourism, Travel and Hospitality 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, skill sets and units of competency
* units of competency with prerequisite requirements

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.

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

The training package developer determines equivalence based on the definition provided in the *Training Package Products Policy*[[4]](#footnote-5), which states that:

“Developers must include an equivalence table within the Companion Volume Implementation Guide in which the equivalence status of each unit of competency is shown according to the following categories:

E = Equivalent – the outcomes of old and new units are equivalent.

N = Not Equivalent – the outcomes of old and new units are not equivalent.

The developer’s determination that the outcomes of an old and new unit are equivalent: (i) only applies to workplace contexts and for AQF qualifications purposes, including [RPL](http://www.surfcanyon.com/search?f=sl&q=RPL&partner=wtiieeuk); and (ii) does not apply to implications for training delivery and/or assessment purposes.”

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.

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 and 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 *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 *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 *Animal Care and Management Training Package*.

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

Under the *Standards for Training Packages,* units of competency no longer include a version identifier (e.g. A, B, C). Intraining.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 the six industry sectors.

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 sectors are:

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

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 (panels)
* 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.

Training is expected to be delivered on-the-job as is more successful in developing confidence and knowledge and to be supported by suitable training providers and assessors. Requirements for assessments to take place using actual harvesting machines and within a forest harvesting site are included in most of the units of competency. This will allow those workers who are already in the industry to build their skills and complete assessments in their own workplaces. Training needs to be flexible and adaptable to the existing knowledge and skill base of the operator. For those not yet in the industry, or new entrants, training providers will need to arrange access to a forest harvesting site in order for learners to receive effective training and to meet the assessment requirements.

On-the-job training, as with most training, requires some follow up with students and employers to ensure the learning outcomes have been achieved and are being implemented.

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.

The following paragraphs outline 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. These knowledge requirements may include:

1. 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)

1. 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.

1. 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

1. 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

1. 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,* and colour branding is a prescribed outcome for the operation, operators are also 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*, and the machines are used for debarking operations*,* operators are also expected to acquire skills and knowledge for conducting mechanical debarking.

When undertaking *FWPHAR3223 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.

**Working safely**

Workplace Health and Safety (WHS) 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 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 1 to Certificate IV.

Units and qualifications from Certificate IV through to Advanced Diploma focus on the supervision, management and control of Workplace Health and Safety (WHS). Supervisors and managers need to be well versed in a wide range of legislative and requirements, particularly in relation to WHS. 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 WHS 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 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 developed several resources to support safe forestry operations, including a Log Haulage Manual (2014), Tree Faller’s Manual (2011), Chainsaw Operators Manual (2009) and interactive online resources to support leadership and management in forest industry sustainability.

**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.

Units of competency have been incorporated into Innovation Skill Sets and the Advanced Diploma of Forest Industry Sustainability. The Skill Sets have been designed to support leaders, managers and workers in the forest and wood products industry to improve innovative thinking, practice and development.

**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.

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.

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.

Examples of factors that impact on forest businesses’ sustainability, and sustainable industry practices:

* 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, fallen 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 account for and 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 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 1 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 Advanced 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, WHS, 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.

**Communication**

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**

1. 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.

1. 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, sawdoctoring, 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. The following industry-specific priority skills have been identified in the 2017 IRC Skills Forecast and Proposed Schedule of Work between 2017 and 2020.

| Priority skill | Skill description | Relevant occupations |
| --- | --- | --- |
| Skills in specialist forest management and harvesting and haulage processes to lead safety performance | Ability to apply leadership practices to develop a positive safety culture. Ability to communicate the importance of safety in different ways. Ability to encourage participation in work health and safety programs and involve others in safety leadership. Ability to address health and safety problems and encourage reporting of incidents and near misses—and learn from these and apply learning. Knowledge of Chain of Responsibility obligations under the National Heavy Vehicle Law and ability to apply industry codes of practice to ensure that timber transportation is conducted in a safe and efficient manner. Ability to implement current chemical application techniques in forestry, read Global Harmonised System (GHS) labels, and use Safety Data Sheets (SDS); ability to conduct aerial spraying and calibration of spray equipment. | Harvesting operation managers, forest manager, forestry supervisor, harvesting supervisor/team leader, plantation establishment manager, plantation manager |
| Skills in geospatial technologies for forestry | Knowledge of and ability to use specialised geospatial software and technologies, including Global Positioning System (GPS), Geographic Information System (GIS), remote sensing, drones and new generation satellite imagery technologies including wearable and mobile technologies and applications. Ability to work with different types of geospatial data for operational and planning of forest resources as well as protection and enhancement of environmental resources. Ability to apply a range of analytical methods to geospatial data that directly support assessment, planning, diagnosis and decision making in forest and environmental resource management. | GIS Officers, GIS Forestry Technicians, GIS Forestry Analysts, environmental planners, forest sustainability managers, forestry/plantation manager |
| Skills in advanced electrical and hydraulic maintenance of equipment for log harvesting operators | Knowledge about the fundamentals of hydraulics and electrical systems related to log harvesting equipment (mobile heavy equipment). Ability to diagnose electrical and hydraulic problems related to log harvesting equipment. Ability to dismantle, repair, replace, clean and lubricate parts for log harvesting equipment. Ability to reassemble and test the log harvesting equipment for operational efficiency. Ability to manage electrical risks when conducting harvesting head maintenance involving electrical power. | Harvesting operators | |
| Commercial export skills for log and wood chip products | Ability to apply wood chip sampling methodology for receivals and export. Ability to conduct basic wood chip stockpile management and measurers to avoid contamination. Ability to understand and communicate log grade product codes and their specifications in export markets. Ability to conduct log yard management with regards to managing different log grades. Skills and knowledge to conduct measurement of logs according the Japanese Agricultural Standard (JAS). Ability to comply with the Australian Quarantine and Inspection Service (AQIS) requirements. Skills and knowledge required to conduct fumigation. | Wood chip sampling operators, log scalers, operators at the receivals/export facilities, export managers | |
| Improved skills to minimise the environmental footprint of log harvesting | Ability to implement current practices of reduced impact logging of timber harvesting operations to minimise the environmental impact on forests and soils including:   * pre-harvesting planning of roads, skid trails and landings to minimise soil disturbance and to protect streams and waterways with appropriate crossings * the construction of roads, landings and skid trails following environmentally friendly design guidelines * the winching of logs (log cording and matting) to planned skid trails, and ensuring that skidding machines remain on the trails at all times. | Harvesting operation managers, harvesting supervisor/team leader, harvesting machinery operators, forestry workers | |
| Forest landscape restoration skills for minimising bushfire risks | Knowledge of best practice methods in forest landscape restoration for reducing bushfire risk. Ability to manage forest landscape restoration programs. Ability to undertake forest landscape restoration operations (mechanical biomass removal to remove understory and dense forest regrowth and fuel reduction burns in combination). | Forestry manager, forestry planner, forest workers | |
| Farm forestry management skills | Ability to conduct whole farm planning or property management planning. Knowledge of basic silviculture practice and ability to manage trees for markets while maintaining the quality of the environment. Ability to apply basic financial analysis for long-term cash flow planning of carbon and log production. Basic knowledge about sourcing markets for log products and ability to undertake marketing/sales. Basic knowledge of harvesting planning and contracting harvesting services. Basic knowledge of forest carbon accounting | Farm forestry manager | |
| Tree breeding optimisation skills | Knowledge of and ability to apply latest genetic selection tools for enhanced wood properties and plantation productivity. Ability to select appropriate breeding strategies, breeding methods and management approaches for the genetically improved material. Ability to use software for simulating tree-breeding outcomes. | Nursery technician/researcher | |
| Skills in manufacturing solid engineered wood products (cross-laminated timber (CLT) and Glulam) | Ability to apply knowledge and operate machines used in different stages of the cross-laminated timber (CLT)/Glulam production, including timber bonding, panel/beam assembly and arrangement, adhesive application, and vertical and/or horizontal pressing for both softwood and hardwood. Skills to operate and program Computer numerical control (CNC) technology for cutting, drilling, slotting and profiling CLT / Glulam to obtain maximum precision during processing, and deliver customer-tailored solutions/dimensions. A range of different levels and aspects of process management skills at the production supervisor and management level. Knowledge about the uses and applications of solid engineered wood products. | Engineered timber products/timber manufactured managers, supervisors and operators | |
| Bioenergy, co-generation and biochar skills | Ability to operate equipment to heat/convert biomass using automation and control systems, calculate and load biomass feedback for power generation/co-generation, ensure compliance with safety regulations, and perform routine maintenance to the mechanical and electrical equipment used in production. Knowledge about technical aspects of a range of bioenergy conversion technologies including combustion, gasification and pyrolysis, the range of biomass resources suitable for bioenergy production, and combustion characteristics of biomass and thermodynamics. Ability to connect bioenergy plants to heating and the electricity grid/electrical systems. Ability to investigate and design bioenergy systems at a small or large scale. Ability to apply environmental considerations including control, monitoring and testing of emissions (to air and water) and management of ash and other residues. Ability to apply knowledge about sustainable biomass provision for biochar, biomass pyrolysis, and the impacts on soil properties. | Bioenergy/biomass plant operator, technicians, managers | |
| Log sawing optimisation skills | Ability to apply timber sawmilling principles, practices and processes that demonstrate improvement in resource efficiency and productivity. Ability to operate effectively timber optimisation scanners (including x-ray, CT and 3D laser scanning) and software for log grading and sawing pattern optimisation. Knowledge about the fundamentals of mechanical and computing systems related to timber optimisation equipment and ability to undertake maintenance for this equipment. | Sawmill managers, supervisor, operators | |
| Skills for efficient timber product supply operations and chain of custody | Ability to operate supply chain software tools, including basic software programming and development, to execute timber product supply chain transactions, managing supplier relationships and controlling associated business processes. Ability to plan hardware operations, control and manage supply chain hardware systems. | Warehousing/distribution/supply chain operational staff, sales and merchandising officers, supervisors, managers | |
| Timber product development/innovation skills | Knowledge of wood science and technology and timber products fundamentals. Application of advanced knowledge of wood science, technology and products. Ability to analyse timber product design, from concept to delivery. Business skills in project management, creative and critical thinking, value creation, entrepreneurship and leadership. Ability to investigate key industry research topics and their practical application in a commercial setting. | Timber production supervisors, managers | |
|  | Ability to apply business collaborative practices to access more services and more opportunities for product development. |  | |
| Skills in loading/unloading long timber beams and frames and trusses safely | Ability to plan for the loading/unloading operation by considering hazards at the manufacturer and delivery site such as restricted site access, overhanging trees, powerlines, passing traffic, lighting, working at height, uneven/unstable surfaces. Ability to develop a comprehensive traffic management plan, dealing with all likely traffic control issues. Ability to communicate the load planning process with builders, manufacturers and transport operators who are involved. Ability to select a suitable vehicle fitted with mechanical means of unloading long timber beams and frame and trusses which presents the lowest risk. Ability to select and apply work methods for getting on and off load or accessing vehicle tray to prevent a fall, or stop a fall. Ability to select and apply work methods and mechanical aids for safe loading/unloading of long timber beams and frames and trusses products. | Timber product/wall frame and roof truss operators, transport operators | |
| Improved truss and frame estimating and detailing skills | Ability to interpret sketches, drawings and designs to prepare truss and frame planning documents. Ability to implement planning documents to take off material quantities and provide quotes. | Wall frame and roof truss estimators and detailers | |
| Skills in prefabrication of panelised building systems (walls, flooring and celling panels) and on-site installation | Ability to apply knowledge and processes to prefabricate a range of lightweight building systems from frame and truss components, engineered and reconstituted wood products (e.g. Laminated Veneer Lumber (LVL), Oriented strand board (OSB), particleboards (PB) and plywood) and other construction materials. Skills to operate and program CNC technology for cutting, drilling, slotting and profiling components to obtain maximum precision during processing, and deliver customer-tailored solutions/dimensions. A range of different levels and aspects of process management skills at the production supervisor and management level. Ability to apply knowledge and use tools for installation of a range of panelised building systems and frames and trusses. Knowledge of product conformance, recognising non-compliance and providing advice to architects/specifiers/builders about product solutions. | Prefabrication plant manager/production manager and operators | |
| Advanced sales, marketing and customer service skills | Marketing and sale capabilities including market research, social media and marketing and brand development skills to promote sustainability credentials to consumers and the broader community. Capability in the implementation and ongoing management and utilisation of online portals for both wholesale and retail markets covering both the domestic and export markets. Retail knowledge of timber products, sustainable productions systems and the environmental benefits of using timber. Skills required also include:   * utilisation of online payment systems * marketing capability using online systems, including knowledge of market preferences for products, presentation and transportation both domestically and internationally * refined customer service skills, including online retailing, to enable appropriate interactions with international export markets. | Managers, supervisors, sales personnel, marketing personnel, customer service personnel | |

Implementation information

Industry sectors and occupational outcomes of qualifications

The *FWP Forest and Wood Products* *Training Package* includes these industry sectors.

|  |  |
| --- | --- |
| Code | Unit Sector |
| COR | Core  Forest Growing and Management  Harvesting and Haulage  Sawmilling and Processing  Timber Manufactured Products  Timber Merchandising  Wood Panel Products  Timber Truss and Frame Design and Manufacture |
| COT | Common technical |
| FGM | Forest Growing and Management |
| HAR | Harvesting and Haulage |
| SAW | Sawmilling and Processing |
| TMM | Timber Manufactured Products  Timber Merchandising |
| WPP | Wood Panel Products |

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 |
| --- | --- |
| Advanced Diploma (Level 6)  FWP60116 Advanced Diploma of Forest Industry Sustainability | The purpose of the Advanced Diploma qualification type is to qualify managers and leaders to apply specialised knowledge in a range of contexts and undertake advanced skilled or paraprofessional work. The Advanced Diploma serves also as a pathway for further learning. The skills covered by the Advanced Diploma also form part of other, broader job roles at a strategic level within the industry. Typically, higher educated foresters with experience in the field would undertake the Advanced Diploma to gain skills in leadership and current sustainability initiatives. |
| Diploma (level 5)  FWP50116 Diploma of Forest and Forest Products  FWP50216 Diploma of Timber Truss and Frame Manufacture  FWP50316 Diploma of Timber Truss and Frame Design | 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  FWP40116 Certificate IV in Forest Operations  FWP40216 Certificate IV in Timber Processing  FWP40316 Certificate IV in Timber Truss and Frame Manufacture  FWP40416 Certificate IV in Timber Truss and Frame 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  FWP30116 Certificate III in Forest Growing and Management  FWP30216 Certificate III in Harvesting and Haulage  FWP30316 Certificate III in Sawmilling and Processing  FWP30416 Certificate III in Wood Panel Products  FWP30516 Certificate III in Timber Manufactured Products  FWP30616 Certificate III in Timber Merchandising  FWP30716 Certificate III in Sawdoctoring  FWP30816 Certificate III in Woodmachining  FWP30916 Certificate III in Timber Truss and Frame Design and Manufacture | 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  FWP20116 Certificate II in Forest Growing and Management  FWP20216 Certificate II in Harvesting and Haulage  FWP20316 Certificate II in Sawmilling and Processing  FWP20416 Certificate II in Wood Panel Products  FWP20516 Certificate II in Timber Manufactured Products  FWP20616 Certificate II in Timber Merchandising  FWP20716 Certificate II in Timber Truss and Frame Design and Manufacture | 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. |
| Certificate I  FWP10116 Certificate I in Forest and Forest Products | The purpose of Certificate I qualifications is to provide individuals with basic functional knowledge and skills to undertake work, further learning, and community involvement in the industry. Certificate I may be used as an induction into to the industry. |

The following table 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 | Sawmilling and Processing | | Wood Panel and Board Production | | | Timber Manufactured Products | | Timber Merchandising |
| **I** | * Arboriculture Worker * Forestry Worker | | | | | | | | | | |
| **II** | * Arboriculture Worker * Farm Forestry Worker * Forestry Worker * Nursery Worker * Plantation Establishment Worker * Plantation Forest Officer * Silviculturist | | * Bulldozer Operator * Chainsaw Operator * Excavator Operator * Forest Harvester * Forwarder Operator * Grader * Harvesting Technician * Mobile Equipment Operator * Rigging Slinger * Skidder Operator | * Kiln Worker * Timber Grader * Treatment Plant Worker * Production Worker * Sawmill Worker | | * Production Worker (Laminates) * Production Worker (Panel and Board) * Production Worker (Veneer) | | | * Grader * Manufacturing Assistant (Timber Products) * Saw Operator * Timber Manufacturing Worker * Timber Products Worker * Timber Puller | | * Customer Service / Sales Assistant (Retail or Wholesale) |
| **III** | * Arboriculture Technician * Farm Forestry Technician * Forestry Technician * Nursery Technician * Supervisor (Forestry Operations) * Tree Planter * Silviculturist | | * Bulldozer Operator * Excavator Operator * Feller Buncher Operator * Forest Harvester * Forwarder Operator * Harvesting Technician * In-field Chipper Operator * Loader Operator * Log truck driver * Mobile Equipment Operator * Skidder Operator | * Benchman * Chipper Operator * Head Rig Operator * Kiln Operator * Machine Operator (e.g. Finger Jointing, Moulding, Planning) * Production Technician | * Timber Grader * Timber Products Technician * Treatment Plant Operator * Saw Maker * Saw Repairer * Sawdoctor * Wood Machinist * Technician * Sawyer * Sawmilling | * Engineered Timber Products Technician / Operator * Kiln Operator * Production Technician / Operator (Laminates) * Production Technician / Operator (Panel and Board) * Production Technician / Operator (Veneer) * Timber Fabricator * Timber Fabricator (Laminates) | | | * Press Operator * Jig Setter * Machine Operator (e.g. Finger Jointing, Moulding, Planning) * Saw Operator * Timber Manufactured Products Technician | | * 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** | * Arboriculture Supervisor * Farm Forestry Supervisor * Forestry Supervisor * Forestry Operations Supervisor | | * Harvesting Supervisor * Harvesting Team Leader * Propagation and Stand Health Supervisor * Tree Farm Supervisor | * Customer Service Manager (Wholesale) * Sawmill Supervisor * Production Supervisor * Treatment Plant Supervisor | | | * Timber Advisor Supervisor * Timber Manufacturing Supervisor * Timber Supervisor (Wholesale) | | | | |
| **V** | * Arboriculture Manager * Forest Manager * Forestry Manager * Harvesting Manager | * Nursery Manager * Plantation Establishment Manager * Plantation Manager * Production Manager | | * Sawmill Manager * Timber Advisory Manager * Timber Manufacturing Manager * Tree Farm Manager | | | | | * Production Manager (Timber Truss & Frame) * Designer (Timber Truss & Frame) | | N/A |
| **VI** | * Community Liaison Officer * Designer (Manufacturing and Engineered Wood Products) * Environmental Manager * Environmental Planner | | | * Forest / Timber Harvester * Forest Auditor (e.g. certification provider) * Forest Planner * Forest Sustainability Manager | | | | * Forestry Manager * General Manager * Plantation Manager * Sustainability Manager | | * Technical Forester * Technical Services Officer * Technical Services Manager * Value Recovery Officer | |

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 means the learning activities or experiences used to attain the competencies needed to achieve career goals.

### AQF Qualifications Pathways Policy Requirements

The AQF Qualifications Pathways Policy,[[5]](#footnote-6) as part of the Australian Qualifications Framework, supports students’ lifelong learning by aiming to:

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

support the development of clear pathways in the design of qualifications.

### Multiple pathways to gain qualifications

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

**Units of competency**

**Training and assessment pathway**

**RPL pathway**

**Record of results**

**Statement of Attainment**

**AQF Qualification**

### Training and assessment pathway

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

* face-to-face
* by distance or e-learning
* in the workplace
* by coming 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 current competency, which may have been gained through formal or informal learning, work experience or general life experience.

### Australian apprenticeships/traineeships

Apprenticeships and traineeships are legally binding training arrangements, between an employer and employee, which combine training with paid employment. Australian Apprenticeships are delivered through a cooperative arrangement between the Australian Government, state and territory governments, industry employers and RTOs. Each State or Territory Training Authority (STA/TTA) is responsible for apprenticeships and traineeships in its jurisdiction.[[6]](#footnote-7)

The qualifications in the Forest and Wood Products (FWP) Training Package are available from AQF levels 1 through 6 and are suitable to be undertaken as an Australian Apprenticeship. Training package users are advised to contact the relevant STA/TTA for further advice.

* FWP10116 Certificate I in Forest and Forest Products
* FWP20116 Certificate II in Forest Growing and Management
* FWP20216 Certificate II in Harvesting and Haulage
* FWP20316 Certificate II in Sawmilling and Processing
* FWP20416 Certificate II in Wood Panel Products
* FWP20516 Certificate II in Timber Manufactured Products
* FWP20616 Certificate II in Timber Merchandising
* FWP20716 Certificate II in Timber Truss and Frame Design and Manufacture
* FWP30116 Certificate III in Forest Growing and Management
* FWP30216 Certificate III in Harvesting and Haulage
* FWP30316 Certificate III in Sawmilling and Processing
* FWP30416 Certificate III in Wood Panel Products
* FWP30516 Certificate III in Timber Manufactured Products
* FWP30616 Certificate III in Timber Merchandising
* FWP30716 Certificate III in Sawdoctoring
* FWP30816 Certificate III in Woodmachining
* FWP30916 Certificate III in Timber Truss and Frame Design and Manufacture
* FWP40116 Certificate IV in Forest Operations
* FWP40216 Certificate IV in Timber Processing
* FWP40316 Certificate IV in Timber Truss and Frame Manufacture
* FWP40416 Certificate IV in Timber Truss and Frame Design
* FWP50116 Diploma of Forest and Forest Products
* FWP50216 Diploma of Timber Truss and Frame Manufacture
* FWP50316 Diploma of Timber Truss and Frame Design
* FWP60116 Advanced Diploma of Forest Industry Sustainability

### 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:

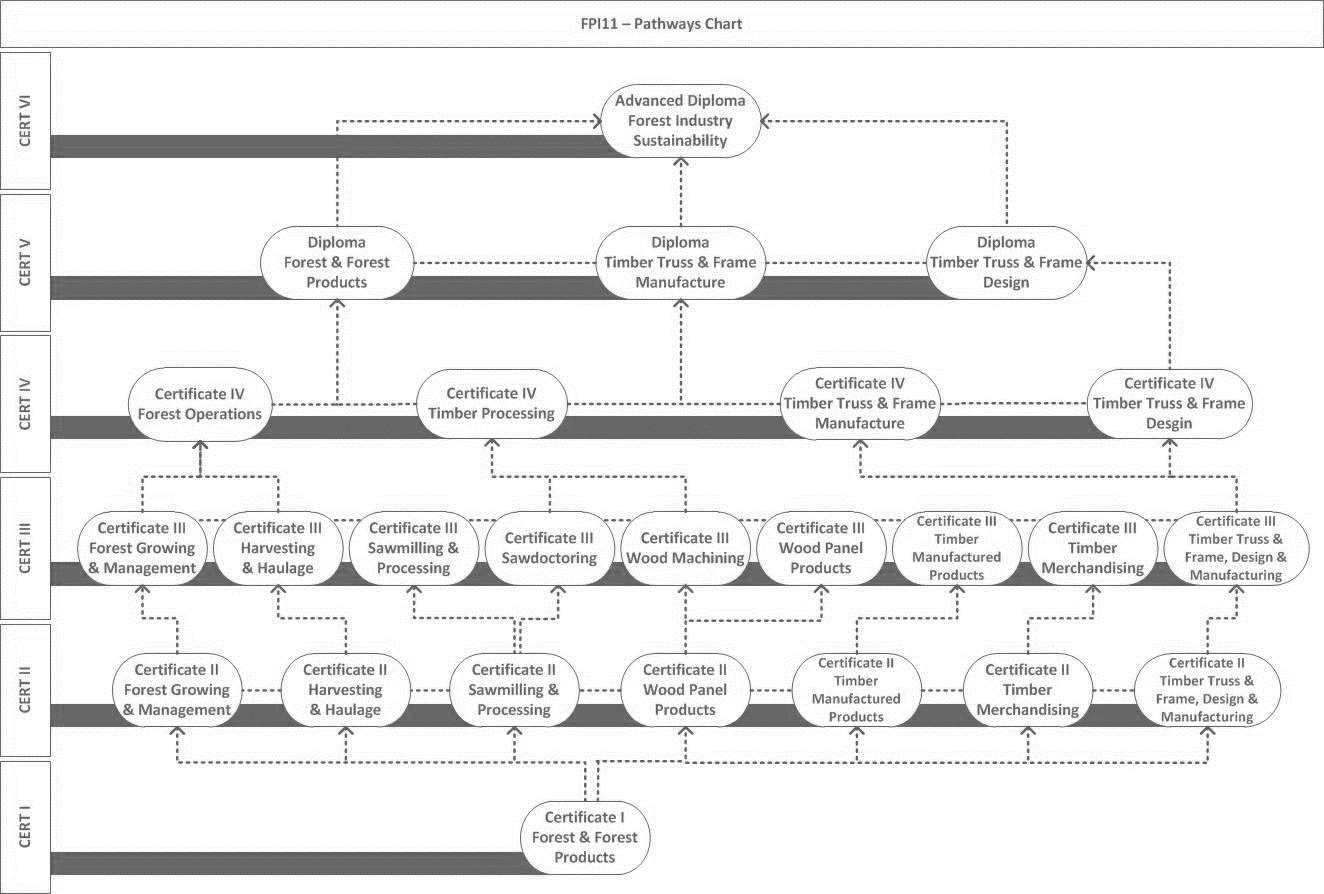
* schools hold RTO status
* school sectoral bodies (such as Boards of Studies or regional offices) hold RTO status on behalf of a group of schools
* schools work in partnership with RTOs.

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.

* FWP10116 Certificate I in Forest and Forest Products
* FWP20116 Certificate II in Forest Growing and Management
* FWP20216 Certificate II in Harvesting and Haulage
* FWP20316 Certificate II in Sawmilling and Processing
* FWP20416 Certificate II in Wood Panel Products
* FWP20516 Certificate II in Timber Manufactured Products
* FWP20616 Certificate II in Timber Merchandising
* FWP20716 Certificate II in Timber Truss and Frame Design and Manufacture

## Progression between qualifications

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



**FWP**

## Entry requirements for qualifications

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

|  |  |
| --- | --- |
| Qualification | Entry requirements |
| FWP10116 Certificate I in Forest and Forest Products | No entry requirements |
| FWP20116 Certificate II in Forest Growing and Management | No entry requirements |
| FWP20216 Certificate II in Harvesting and Haulage | No entry requirements |
| FWP20316 Certificate II in Sawmilling and Processing | No entry requirements |
| FWP20416 Certificate II in Wood Panel Products | No entry requirements |
| FWP20516 Certificate II in Timber Manufactured Products | No entry requirements |
| FWP20616 Certificate II in Timber Merchandising | No entry requirements |
| FWP20716 Certificate II in Timber Truss and Frame Design and Manufacture | No entry requirements |
| FWP30116 Certificate III in Forest Growing and Management | No entry requirements |
| FWP30216 Certificate III in Harvesting and Haulage | No entry requirements |
| FWP30316 Certificate III in Sawmilling and Processing | No entry requirements |
| FWP30416 Certificate III in Wood Panel Products | No entry requirements |
| FWP30516 Certificate III in Timber Manufactured Products | No entry requirements |
| FWP30616 Certificate III in Timber Merchandising | No entry requirements |
| FWP30716 Certificate III in Sawdoctoring | No entry requirements |
| FWP30816 Certificate III in Woodmachining | No entry requirements |
| FWP30916 Certificate III in Timber Truss and Frame Design and Manufacture | No entry requirements |
| FWP40116 Certificate IV in Forest Operations | No entry requirements |
| FWP40216 Certificate IV in Timber Processing | No entry requirements |
| FWP40316 Certificate IV in Timber Truss and Frame Manufacture | No entry requirements |
| FWP40416 Certificate IV in Timber Truss and Frame Design | FWPCOT3204 Prepare and interpret sketches and drawings  FWPCOT3214 Take off material quantities  FWPCOT3218 Quote and interpret from manufactured timber product plans  FWPCOT3220 Quote and interpret from computerised timber manufactured product plans  FWPCOT3239 Create drawings using computer aided design system  **Plus at least one of the following units:**  FWPTMM3204 Interpret designs to prepare timber roof truss drawings and documents using computers  FWPTMM3205 Interpret designs to prepare timber floor system drawings and documents using computers  FWPTMM3206 Interpret designs to prepare timber wall frame drawings and documents using computers |
| FWP50116 Diploma of Forest and Forest Products | No entry requirements |
| FWP50216 Diploma of Timber Truss and Frame Manufacture | No entry requirements |
| FWP50316 Diploma of Timber Truss and Frame Design | FWPCOT4202 Design timber structures  FWPTMM4201 Construct prototypes and samples  MSAPMSUP390A Use structured problem solving tools  CPCCBC4001A Apply building codes and standards to the construction process for low-rise building projects  CPCSUS4001A Implement and monitor environmentally sustainable work practices  **Plus at least one of the following units:**  FWPTMM4205 Prepare and advise on a broad range of timber roof truss details using computers  FWPTMM4206 Prepare and advise on a broad range of timber floor system  FWPTMM4207 Prepare and advise on a broad range of timber wall frame details using computers |
| FWP60116 Advanced Diploma of Forest Industry Sustainability | 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 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:

* 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[[7]](#footnote-8). 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 below.

## Amount of training and volume of learning

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

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

The amount of training involves all the formal learning activities provided to a learner, for example: classes, tutorials, fieldwork, lectures, online or self-paced study, as well as workplace learning. Training should consider 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.[[8]](#footnote-9)

The qualifications, together with indicative volume of learning requirements, are outlined in the following table.[[9]](#footnote-10)

|  |  |  |
| --- | --- | --- |
| Qualification | Years | Hours |
| Certificate I | 0.5 – 1 year | 600 – 1200 hours |
| Certificate II | 0.5 – 1 year | 600 – 1200 hours |
| Certificate III | 1 – 2 years | 1200 – 2400 hours |
| Certificate IV | 0.5 – 2 years | 600 – 2400 hours |
| Diploma | 1 – 2 years | 1200 – 2400 hours |
| Advanced Diploma | 1.5 – 2 years | 1800 – 2400 hours |
| Graduate Certificate | 0.5 – 1 year | 600 – 1200 hours |
| Graduate Diploma | 1 – 2 years | 1200 – 2400 hours |

Note:

1. Certificate III qualifications are often the basis for trade outcomes and undertaken as part of a traineeship or apprenticeship. In these cases, up to four years may be required to achieve the learning outcomes.
2. Certificate IV qualifications are often either:

shorter duration specialist qualifications that build on existing skills and knowledge, or

* longer duration qualifications that are designed as entry level requirements for specific work roles.

These indicators should be used as a starting point only and many factors can affect the actual volume of learning requirements.

## Access and equity considerations

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 support 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 individual learners

determine the needs of individual learners 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 who are 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 reasonable 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 needs, while also considering 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.[[10]](#footnote-11)

## 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* are included in each qualification (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 |
| Reading | Read production plans, site safety and environmental management plans in a forest harvesting environment  Read 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 |
| Navigate the world of work | Understand main tasks, responsibilities and boundaries of own role |
| Interact with others | Use modes of communication suitable to purpose to confirm and clarify understanding  Communicate and report operational and safety information to on-site personnel |
| Get the work done | Recognise and respond to routine problems  Plan and organise own work activities and resources |

### Frameworks used

The foundation skills are derived from two national frameworks:

* The Australian Core Skills Framework(ACSF) is used to identify learning, language, literacy and numeracy (LLN) skills.
* The Core Skills for Work Developmental Framework (CSfW) is used to identify employability/employment skills.

The skills included in these two frameworks are summarised in the table below.

| ACSF | CSfW | |
| --- | --- | --- |
| Skills | Skills clusters | Skills or focus area |
| * Learning * Reading * Writing * Oral Communication * Numeracy | Navigate the world of work | * Managing one’s own career and work life * Understanding one’s own work role, and the associated rights and obligations |
| Interact with others | * Communicating in the workplace * Connecting and working with others * Recognising, respecting and using diverse perspectives |
| Get the work done | * Planning and organising workplace tasks * Making decisions * Identifying and solving problems * Being creative and innovative * Working with digital systems/technologies |

The five skills from the ACSF are identified separately with descriptions explaining how the skill underpins the performance criteria. The three skill clusters from the CSfW are identified with descriptions explaining how the respective skill or focus area(s) 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 occupational licensing, legislative or certification requirements apply to this unit/qualification at the time of publication’ will appear.

### Health and safety requirements

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

Within all six industry sectors, the following areas are of high risk or compliance:

Manual tree falling

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 includes:

|  |  |
| --- | --- |
| 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](https://www.google.com.au/url?sa=t&rct=j&q=&esrc=s&source=web&cd=1&cad=rja&uact=8&ved=0ahUKEwig0J__vZzWAhXJEbwKHZ4dAz0QFggmMAA&url=https%3A%2F%2Fwww.worksafe.qld.gov.au%2Flaws-and-compliance%2Fworkplace-health-and-safety-laws%2Flaws-and-legislation%2Fwork-health-and-safety-act-2011&usg=AFQjCNFHwVGcuS4jNnUXkzN641Y27wUrVQ) |
| Work Health and Safety Regulation 2011 |
| SA | [Work Health and Safety Act 2012](https://www.google.com.au/url?sa=t&rct=j&q=&esrc=s&source=web&cd=1&cad=rja&uact=8&ved=0ahUKEwiKmJSkv5zWAhXGebwKHaVoDf8QFggmMAA&url=https%3A%2F%2Fwww.legislation.sa.gov.au%2FLZ%2FC%2FA%2FWORK%2520HEALTH%2520AND%2520SAFETY%2520ACT%25202012.aspx&usg=AFQjCNG1izG_sru9Km-fx2dCE68ESO8kXg) |
| Work Health and Safety Regulations 2012 |
| TAS | Work Health and Safety Act 2012 |
| [Work Health and Safety Regulations 2012](http://www5.austlii.edu.au/au/legis/tas/consol_reg/whasr2012327/) |
| VIC | Occupational Health and Safety Act 2004 and Regulations 2007 |
| Occupational Health and Safety Regulations 2007 |
| WA | [Occupational Safety and Health Act 1984](https://www.google.com.au/url?sa=t&rct=j&q=&esrc=s&source=web&cd=1&cad=rja&uact=8&ved=0ahUKEwil-e3qvpzWAhWCurwKHZZtDoUQFggmMAA&url=https%3A%2F%2Fwww.commerce.wa.gov.au%2Fworksafe%2Foccupational-safety-and-health-act-1984&usg=AFQjCNEkFhJcFzD0Byvybe4dwt1npbN1gA) and Regulations 1996 |
| Occupational Health and Safety Regulations 1996 |

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. They are also 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 | | |
| Jurisdiction | Regulating Body | Website |
| ACT | WorkSafe ACT | http://www.worksafe.act.gov.au |
| NSW | SafeWork NSW | http://www.safework.nsw.gov.au |
| NT | WorkSafe NT | http://www.worksafe.nt.gov.au |
| QLD | Workplace Health and Safety Queensland (WHSQ) | http://www.worksafe.qld.gov.au |
| SA | SafeWork SA | http://www.safework.sa.gov.au |
| TAS | WorkSafe Tasmania | http://worksafe.tas.gov.au |
| VIC | WorkSafe Victoria | http://www.worksafe.vic.gov.au |
| WA | 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 * assessing all chemicals new to Australia and those chemicals already used (existing chemicals) on a priority basis, in response to concerns about their safety on health and environmental grounds. | http://[www.nicnas.gov.au](http://www.nicnas.gov.au/) |

## Other legislative and licencing 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 legislation

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.

State and territory government forestry legislation includes:

|  |  |
| --- | --- |
| 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 |

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](https://www.legislation.sa.gov.au/lz/c/a/natural%20resources%20management%20act%202004/current/2004.34.un.pdf) |
| Aboriginal Heritage Act 1988 |
| TAS | Environmental Management and Pollution Control Act 1994 |
| Aboriginal Heritage Act 1975 |
| VIC | Environmental Protection Act 1970 |
| Catchment and Land Protection Act 1994 |
| Flora and Fauna Guarantee Act 1988 |
| Wildlife Act 1975 |
| Aboriginal Heritage Act 2006 |
| WA | Environmental Protection Act 1986 |
| Biodiversity Conservation Act 2016 |
| Conservation and Land Management Act 1984 |
| Aboriginal Heritage Act 1972 |

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 |
| NSW | Forest NSW Forest Management Policy | Forestry Corporation of NSW | http://www.forestrycorporation.com.au/\_\_data/assets/pdf\_file/0003/674724/forest-management-policy.pdf |
| Farm Forestry Strategy for NSW 2003 | Department of Primary Industries | http://www.dpi.nsw.gov.au/\_\_data/assets/pdf\_file/0015/38031/farm-forestry-strategy-nsw.pdf |
| NT | Industry Development Plan 2013-2017 | Department of Primary Industries and Fisheries | https://dpir.nt.gov.au/primary-industry/agricultural-developments/industry-development-plan-2013-2017 |
| Territory 2030 Strategic Plan 2009 | Department of the Chief Minister | http://inform.regionalaustralia.org.au/process/regional-development-processes/item/territory-2030-strategic-plan-2009 |
| QLD | Forest Management Policy Statement | Department of Agriculture and Fisheries | https://www.daf.qld.gov.au/forestry/state-native-forestry/forest-management-policy-statement |
| Queensland Timber Plantation Strategy 2020 | Department of Employment, Economic Development and Innovation | https://www.cabinet.qld.gov.au/documents/2009/Nov/Qld%20Timber%20Plantations%20Strategy/Attachments/Qld-timber-plantation-strategy-2020[1].pdf |
| Building Nature's Resilience: A Biodiversity Strategy for Queensland | (Department of Environment and Resource Management | https://www.cabinet.qld.gov.au/documents/2010/dec/draft%20biodiversity%20strategy/Attachments/biostrategy[1].pdf |
| The Queensland Forest and Timber Industry Plan | Department of Agriculture and Fisheries | https://www.daf.qld.gov.au/forestry/queensland-forest-and-timber-industry-plan |
| SA | Forest Industry Strategy: Vision 2050 Strategic Directions 2011-2016 | Primary Industries and Regions SA (Forest Industry Development Board) | http://www.pir.sa.gov.au/\_\_data/assets/pdf\_file/0020/234029/SA\_Forest\_Industry\_Strategy.pdf |
| ForestrySA Policy for Sustainable Forest Management | ForestrySa | https://www.forestrysa.com.au/app/uploads/2017/07/18.\_Sustainable\_Forest\_Management\_-\_NEW1.pdf |
| No Species Loss: A Nature Conservation Strategy for South Australia 2007-2017 | Department of Environment, Water and Natural Resources | https://www.environment.sa.gov.au/managing-natural-resources/Ecosystem\_conservation/No\_species\_loss |
| TAS | Permanent Native Forest Estate Policy | Department of State Growth | http://www.stategrowth.tas.gov.au/forestry/native-forest |
| Forestry Tasmania's Sustainable Forest Management Policy | Sustainable Timber Tasmania | https://www.sttas.com.au/sites/default/files/media/documents/policies/sfmpolicyoctober2016.pdf |
| VIC | Sustainability Charter for Victoria's State Forests | Environment, Land , Water and Planning | https://www.forestsandreserves.vic.gov.au/forest-management/forest-sustainability |
| Ecologically Sustainable Forest Management Policy | VicForests | http://www.vicforests.com.au/vicforests-forest-management-system/policies-procedures-and-instructions |
| WA | Forest Products Commission Forest Management Policy | Forest Products Commission Western Australia | http://www.fpc.wa.gov.au/forest-management/policy-and-practice |

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 work health and safety (WHS) 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 - 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)

FOLS Skills Verification Program

In several states, FOLS are required for a range of operations through industry agreement. For instance, in Tasmania, anyone engaged in tree harvesting is required to hold a FOLS. FOLS provides consistent operating standards for individuals in high risk activities, such as tree felling and tree harvesting and haulage, through uniform sets of measures for safety and the environment. It ensures workers are trained and current in their skills.

In addition, 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 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.

FOLS Skills Verification Program is the only industry-led system that supports the professionalism and safety of industry through a national electronic system of recording and verifying the training and currency of workers’ skills. FOLS offers businesses a method of demonstrating that appropriate training has been provided to satisfy obligations and liabilities under national WHS Regulations. FOLS verifies a worker has undertaken the required nationally recognised training and kept their skills current through regular practice of the work activities listed on the back of their FOLS Card.

Some of the skilled activities covered by FOLS include:

|  |  |
| --- | --- |
| Skilled activity | Corresponding unit of competency |
| Chainsaw Operator | FWPHAR2207 or FPIHAR2207A - Trim and cut harvested trees |
| Faller Basic | FWPCOT2236 or FPICOT2236 - Fall trees manually - basic |
| Faller Intermediate | FWPHAR3220 or FPIHAR3220 - Harvest trees manually - intermediate |
| Faller Advanced | FWPHAR3221 or FPIHAR3221 - Harvest trees manually - advanced |
| Wheel Tractor Operator | RIIMPO315A or RIIMPO315D - Conduct tractor operations |
| Crawler Tractor Operator | FWPHAR3224 - Operate crawler tractor, FWPHAR3216 or FPIHAR3216A |
| Skidder Operator | FWPHAR3230 - Operate skidder, FWPHAR3217 or FPIHAR3217A |
| Loader Operator | FWPHAR3228 - Operate loader, FWPHAR3218 or FPIHAR3218A |
| Forwarder Operator | FWPHAR3227 - Operate forwarder, FWPHAR3206 or FPIHAR3206C |
| Mechanical Processor Operator | FWPHAR3210 or FPIHAR3210C - Conduct mechanical processor operations |
| Excavator Operator | FWPHAR3225 - Operate excavator with log grapple, FWPHAR3219 or FPIHAR3219A |
| Feller Buncher Operator | FWPHAR3226 - Operate feller buncher, FWPHAR3207 or FPIHAR3207C |
| Truck Driver | FWPCOT3261 or FPICOT3261 - Shift forestry logs using trucks |
| Tree Climber (Basic) | AHCARB204A - Undertake standard climbing techniques |
| Tree Climber (Advanced) | AHCARB307A - Undertake complex tree climbing |

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.

## 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 that 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.[[11]](#footnote-12)

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

## Resources and equipment lists

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

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

Learning resources are available for certain units of competency within the Advanced Diploma of Forest Industry Sustainability. For further information about resources available, please see the ForestWorks website: <http://www.forestworks.com.au/services/learning-resources-and-tools/>

# Training Package developer’s quality assurance process for Companion Volumes

Companion Volumes are developed in consultation with industry representatives, trainers and assessors, and representatives of Industry Reference Committees (IRCs) and Technical Advisory Committees (TACs). These key stakeholder representatives 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) |
|  | Timber Manufactured Products |
| 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 Merchandising |
| National | Timber & Building Materials Association (TABMA) |
| VIC | Timber Merchants Association (TMA) |
|  | **Professional Associations** |
| National | Institute of Foresters Australia (IFA) |
| National | Arboriculture Australia |
|  | Industry Standards Bodies |
| National | Australian Forestry Standard Ltd (AFS) |
| National | Forest Stewardship Council (FSC) Australia |
|  | **Employee representative organisations** |
| National | CFMEU Forestry and Furnishing Products Division |
| National | Australian Workers' Union (AWU) |
| National | Australian Council of Trade Unions (ACTU) |
|  | **Industry Services Bodies** |
| National | ForestWorks Ltd |
| National | Timber Trade Industrial Association (TTIA) |
| NSW | Timber Development Association NSW |
|  | **Industry R&D Services Body** |
| National | Forest and Wood Products Australia Ltd (FWPA) |
|  | **Council Associations** |
| National | National Timber Councils Association (NTCA) |

### State and Territory Training Authorities

|  |  |
| --- | --- |
| State/Territory | Website |
| Australian Capital Territory | <http://www.det.act.gov.au/> |
| New South Wales | <https://www.dec.nsw.gov.au/> |
| Northern Territory | <http://business.nt.gov.au/> |
| Queensland | <http://training.qld.gov.au/> / |
| South Australia | <http://www.statedevelopment.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 (TAC WA) | 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 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

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| --- | --- |
| *FWP Forest and Wood Products Training Package Version 3.0*  *Qualifications* | |
| Code | Title |
| FWP10116 | Certificate I in Forest and Forest Products |
| FWP20116 | Certificate II in Forest Growing and Management |
| FWP20216 | Certificate II in Harvesting and Haulage |
| FWP20316 | Certificate II in Sawmilling and Processing |
| FWP20416 | Certificate II in Wood Panel Products |
| FWP20516 | Certificate II in Timber Manufactured Products |
| FWP20616 | Certificate II in Timber Merchandising |
| FWP20716 | Certificate II in Timber Truss and Frame Design and Manufacture |
| FWP30116 | Certificate III in Forest Growing and Management |
| FWP30216 | Certificate III in Harvesting and Haulage |
| FWP30316 | Certificate III in Sawmilling and Processing |
| FWP30416 | Certificate III in Wood Panel Products |
| FWP30516 | Certificate III in Timber Manufactured Products |
| FWP30616 | Certificate III in Timber Merchandising |
| FWP30716 | Certificate III in Sawdoctoring |
| FWP30816 | Certificate III in Woodmachining |
| FWP30916 | Certificate III in Timber Truss and Frame Design and Manufacture |
| FWP40116 | Certificate IV in Forest Operations |
| FWP40216 | Certificate IV in Timber Processing |
| FWP40316 | Certificate IV in Timber Truss and Frame Manufacture |
| FWP40416 | Certificate IV in Timber Truss and Frame Design |
| FWP50116 | Diploma of Forest and Forest Products |
| FWP50216 | Diploma of Timber Truss and Frame Manufacture |
| FWP50316 | Diploma of Timber Truss and Frame Design |
| FWP60116 | Advanced Diploma of Forest Industry Sustainability |

### Skill sets

|  |  |
| --- | --- |
| *FWP Forest and Wood Products Training Package Version 3.0*  Skill Sets | |
| Code | Title |
| FWPSS00001 | Skill set for forest and wood product innovation for leaders |
| FWPSS00002 | Skill set for forest and wood product innovation for managers |
| FWPSS00003 | Skill set for supporting forest and wood products innovation |
| FWPSS00004 | Skill set for managing change in the forest and wood products industry |
| FWPSS00005 | Skill set for forest and wood products industry stakeholder engagement |
| FWPSS00006 | Skill set for supporting workplace engagement in the forest and wood products industry |
| FWPSS00007 | Skill set for leading business development in the forest and wood products industry |
| FWPSS00008 | Skill set for managing business development in the forest and wood products industry |
| FWPSS00009 | Skill set for supporting business development in the forest and wood products industry |
| FWPSS00014 | Skill set for a heavy production mobile chipper operator |
| FWPSS00016 | Skill set for a mechanical processor operator |
| FWPSS00017 | Skill set for a native forest operator |
| FWPSS00018 | Skill set for a plantation forest operator |
| FWPSS00022 | Skill set for fire salvage operations |
| FWPSS00023 | Skill set for off road four wheel drive operations |
| FWPSS00024 | Skill set for soil and water protection (roading) |
| FWPSS00025 | Skill set for carbon accounting |
| FWPSS00026 | Skill set for a forestry log truck driver |
| FWPSS00027 | Skill set for a forestry produce truck driver |
| FWPSS00028 | Skill set for a finger jointing plant operator |
| FWPSS00029 | Skill set for a finger jointing moulder operator |
| FWPSS00030 | Skill set for a finger jointing grader operator |
| FWPSS00031 | Skill set for a finger jointing quality control tester |
| FWPSS00032 | Skill set for a crawler tractor operator |
| FWPSS00033 | Skill set for a feller buncher operator |
| FWPSS00034 | Skill set for a forwarder operator |
| FWPSS00035 | Skill set for a loader operator |
| FWPSS00036 | Skill set for a single grip harvester operator |
| FWPSS00037 | Skill set for a skidder operator |
| FWPSS00038 | Skill set for an excavator with log grapple operator |

### Units of competency

| *FWP Forest and Wood Products Training Package Version 3.0*  Units of Competency | |
| --- | --- |
| Code | Title |
| FWPCOR2201 | Work effectively in the forest and forest products industry |
| FWPCOR2202 | Communicate and interact effectively in the workplace |
| FWPCOR2203 | Follow environmental care procedures |
| FWPCOR2204 | Follow fire prevention procedures |
| FWPCOR2205 | Follow WHS policies and procedures |
| FWPCOR2207 | Maintain quality and product care |
| FWPCOR3201 | Implement safety, health and environment policies and procedures |
| FWPCOR3202 | Conduct quality and product care procedures |
| FWPCOR3203 | Evaluate fire potential and prevention |
| FWPCOR3204 | Visually assess materials |
| FWPCOR4201 | Monitor safety, health and environment policies and procedures |
| FWPCOR4202 | Monitor and review forestry operations |
| FWPCOR4203 | Monitor quality and product care procedures |
| FWPCOR6201 | Manage sustainability in the workplace |
| FWPCOR6202 | Implement practices to maximise value from wood residues |
| FWPCOT2201 | Stack and bind material |
| FWPCOT2202 | Rack material |
| FWPCOT2203 | Finish and pack products |
| FWPCOT2205 | Tail out materials |
| FWPCOT2207 | Dress boards and timber |
| FWPCOT2208 | Resaw boards and timber |
| FWPCOT2209 | Produce finger jointed timber |
| FWPCOT2210 | Tally material |
| FWPCOT2211 | Produce pointed timber products |
| FWPCOT2212 | Grade hardwood sawn and milled products |
| FWPCOT2213 | Grade softwood sawn and milled products |
| FWPCOT2214 | Grade cypress sawn and milled products |
| FWPCOT2215 | Visually stress grade hardwood |
| FWPCOT2216 | Visually stress grade softwood |
| FWPCOT2217 | Visually stress grade cypress |
| FWPCOT2218 | Cross cut materials with a fixed saw |
| FWPCOT2219 | Use hand-held tools |
| FWPCOT2220 | Select trees for tending operations |
| FWPCOT2222 | Produce laminated beams |
| FWPCOT2224 | Band edges of panels |
| FWPCOT2225 | Chip or flake wood |
| FWPCOT2226 | Debark logs mechanically |
| FWPCOT2227 | Process orders and despatch products |
| FWPCOT2228 | Store materials |
| FWPCOT2229 | Dock material to length |
| FWPCOT2230 | Assemble products |
| FWPCOT2231 | Pack products |
| FWPCOT2232 | Cut material to shape using a saw |
| FWPCOT2233 | Navigate in forest areas |
| FWPCOT2235 | Assess timber for manufacturing potential |
| FWPCOT2236 | Fall trees manually (basic) |
| FWPCOT2237 | Maintain chainsaws |
| FWPCOT2238 | Cut materials with a hand-held chainsaw |
| FWPCOT2239 | Trim and cut felled trees |
| FWPCOT2240 | Cut material with a pole saw |
| FWPCOT2241 | Apply wood and timber product knowledge |
| FWPCOT2242 | Segregate and sort logs |
| FWPCOT3201 | Hand sharpen knives and blades |
| FWPCOT3202 | Navigate in remote or trackless areas |
| FWPCOT3203 | Weigh loads |
| FWPCOT3204 | Prepare and interpret sketches and drawings |
| FWPCOT3205 | Dress boards using multi-headed machines |
| FWPCOT3206 | Cut material using high speed optimiser |
| FWPCOT3207 | Set up, operate and maintain finger jointing operations |
| FWPCOT3208 | Test strength of joints |
| FWPCOT3209 | Set up, operate and maintain end matching operations |
| FWPCOT3210 | Sharpen cutting tools |
| FWPCOT3211 | Maintain sawdoctoring tools |
| FWPCOT3212 | Replace saws, blades and guides |
| FWPCOT3213 | Manufacture cutting tools |
| FWPCOT3214 | Take off material quantities |
| FWPCOT3215 | Swage and shape saw blades |
| FWPCOT3216 | Assess and maintain saw performance |
| FWPCOT3217 | Assess and maintain cutter performance |
| FWPCOT3218 | Quote and interpret from manufactured timber product plans |
| FWPCOT3219 | Produce standard truss or frame plans and details using computers |
| FWPCOT3220 | Quote and interpret from computerised timber manufactured product plans |
| FWPCOT3221 | Rehabilitate tracks, quarries and landings |
| FWPCOT3222 | Present forestry information and interpretations programs |
| FWPCOT3224 | Plan and monitor equipment maintenance |
| FWPCOT3225 | Mechanically stress grade timber |
| FWPCOT3227 | Receive and measure logs |
| FWPCOT3228 | Plane/sand panels |
| FWPCOT3229 | Mechanically stress grade panels |
| FWPCOT3230 | Operate automated stacking equipment |
| FWPCOT3231 | Operate steam boiler |
| FWPCOT3232 | Operate heat plant |
| FWPCOT3233 | Sharpen and align blades and knives |
| FWPCOT3234 | Cut material using CNC sizing machines |
| FWPCOT3235 | Machine material using CNC machining and processing centres |
| FWPCOT3236 | Coordinate stock control procedures |
| FWPCOT3237 | Produce templates |
| FWPCOT3238 | Operate a pole saw |
| FWPCOT3239 | Create drawings using computer aided design systems |
| FWPCOT3240 | Grade heavy structural/engineered products |
| FWPCOT3241 | Assemble timber wall frames |
| FWPCOT3242 | Lay up timber roof trusses |
| FWPCOT3243 | Operate a truss press |
| FWPCOT3244 | Cut material to profile |
| FWPCOT3245 | Grade, sort and mark materials |
| FWPCOT3246 | Test heavy structural/engineered products |
| FWPCOT3247 | Select timber for forestry operations |
| FWPCOT3248 | Dry timber in solar assisted kilns |
| FWPCOT3249 | Select timber preservation techniques |
| FWPCOT3250 | Prepare timber to meet import/export compliance requirements |
| FWPCOT3251 | Promote the carbon benefits of wood products |
| FWPCOT3252 | Use environmental care procedures to undertake fire salvage operations |
| FWPCOT3253 | Convert timber residue into products for further use |
| FWPCOT3254 | Implement environmentally sustainable work practices in the work area/work site |
| FWPCOT3255 | Apply silvicultural principles |
| FWPCOT3256 | Apply biodiversity protection principles |
| FWPCOT3257 | Follow cultural heritage requirements |
| FWPCOT3258 | Comply with soil and water protection |
| FWPCOT3259 | Operate a four wheel drive on unsealed roads |
| FWPCOT3260 | Recover four wheel drive vehicles |
| FWPCOT3261 | Transport forestry logs using trucks |
| FWPCOT3262 | Transport forestry produce using trucks |
| FWPCOT3263 | Maintain and contribute to energy efficiency |
| FWPCOT3264 | Build and maintain timber stacks |
| FWPCOT3269 | Provide specialised timber product solutions |
| FWPCOT3270 | Grade and mark logs |
| FWPCOT4201 | Produce complex truss and frame plans and details using computers |
| FWPCOT4202 | Design timber structures |
| FWPCOT4203 | Plan and coordinate product assembly |
| FWPCOT4204 | Schedule and coordinate load shifting |
| FWPCOT4205 | Coordinate log debarking operations |
| FWPCOT4206 | Plan and coordinate boiler operations |
| FWPCOT4207 | Plan and coordinate heat plant operations |
| FWPCOT4208 | Implement workplace sustainability practices |
| FWPCOT5201 | Implement sustainable forestry practices |
| FWPCOT5202 | Manage forestry information and interpretations programs |
| FWPCOT5203 | Manage installation and commissioning of equipment |
| FWPCOT5204 | Organise enterprise maintenance programs |
| FWPCOT5205 | Develop biohazard contingency plans |
| FWPCOT5206 | Implement forestry chain of custody certification system |
| FWPCOT5207 | Implement sustainability in the workplace |
| FWPCOT5208 | Build and maintain community relationships |
| FWPCOT5209 | Manage tree harvesting to minimise environmental impact |
| FWPCOT6201 | Manage community engagement |
| FWPCOT6202 | Develop and manage a forestry chain of custody certification process |
| FWPCOT6203 | Develop engineered timber products to meet energy efficient building design needs |
| FWPCOT6204 | Use carbon accounting to estimate emissions |
| FWPCOT6205 | Prepare an enterprise carbon management report |
| FWPCOT6207 | Develop forest management systems and processes |
| FWPCOT6208 | Manage innovative thinking and practice in the forest and wood products industry |
| FWPCOT6209 | Manage forest and wood products industry research |
| FWPCOT8101 | Lead forest and wood products industry innovative thinking and practice |
| FWPCOT8102 | Initiate and lead a forest and wood products industry innovation |
| FWPFGM2201 | Collect seed |
| FWPFGM2202 | Prepare seedbed |
| FWPFGM2203 | Plant trees by hand |
| FWPFGM2204 | Plant trees mechanically |
| FWPFGM2205 | Prune trees |
| FWPFGM2206 | Collect data or samples for assessment |
| FWPFGM2207 | Undertake brushcutting operations |
| FWPFGM2209 | Cut, sort and set cuttings |
| FWPFGM2210 | Implement animal pest control procedures |
| FWPFGM2211 | Detect fires |
| FWPFGM2212 | Graft cuttings |
| FWPFGM2213 | Process seed |
| FWPFGM2214 | Maintain visitor sites |
| FWPFGM2215 | Measure trees |
| FWPFGM3201 | Manage seed collection |
| FWPFGM3202 | Extract seed |
| FWPFGM3203 | Conduct an instrument survey |
| FWPFGM3206 | Plan and implement non-commercial thinning operations |
| FWPFGM3207 | Coordinate stem improvement |
| FWPFGM3209 | Construct and maintain forest roads and tracks |
| FWPFGM3210 | Patrol forest |
| FWPFGM3211 | Manage coppice stems |
| FWPFGM3212 | Fall trees manually (intermediate) |
| FWPFGM3213 | Fall trees manually (advanced) |
| FWPFGM3214 | Operate a four wheel drive in a towing situation |
| FWPFGM3215 | Perform complex 4x4 operations |
| FWPFGM4201 | Implement a forest establishment plan |
| FWPFGM4202 | Manage stand health |
| FWPFGM4203 | Design plantations |
| FWPFGM4204 | Conduct a pests and diseases assessment |
| FWPFGM4205 | Monitor regeneration rates |
| FWPFGM4206 | Conduct a wood volume and yield assessment |
| FWPFGM4207 | Conduct a forest site assessment |
| FWPFGM4208 | Plan a quarry |
| FWPFGM4209 | Interpret and use aerial photographs for forest management |
| FWPFGM4210 | Prepare a tender |
| FWPFGM5201 | Plan and manage an inventory program |
| FWPFGM5208 | Manage road construction and maintenance |
| FWPFGM5210 | Manage tending operations in a native forest |
| FWPFGM5211 | Coordinate stand nutrition |
| FWPFGM5212 | Manage genetic resources |
| FWPFGM5213 | Coordinate plantation tending operations |
| FWPFGM5214 | Develop a native forest regeneration plan |
| FWPFGM5215 | Breed Trees |
| FWPFGM5216 | Manage coupe planning |
| FWPFGM5217 | Promote plantations as a sustainable form of land use |
| FWPFGM5219 | Undertake carbon stock sampling of forests and plantations |
| FWPFGM6201 | Plan a biochar storage system for carbon capture and storage |
| FWPFGM6203 | Manage sustainable tree inventory |
| FWPHAR2203 | Hook up felled logs using cables (choker) |
| FWPHAR2204 | Perform landing duties (chaser) |
| FWPHAR2205 | Conduct mobile splitting operations |
| FWPHAR2206 | Operate a mobile chipper/mulcher |
| FWPHAR2207 | Trim and cut harvested trees |
| FWPHAR3201 | Monitor log recovery (rigging slinger) |
| FWPHAR3210 | Conduct mechanical processor operations |
| FWPHAR3213 | Conduct mechanically assisted tree falling operations |
| FWPHAR3215 | Operate a heavy production mobile chipper |
| FWPHAR3220 | Harvest trees manually (intermediate) |
| FWPHAR3221 | Harvest trees manually (advanced) |
| 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 |
| FWPHAR3231 | Operate yarder |
| FWPHAR4201 | Apply tree jacking techniques |
| FWPHAR4202 | Coordinate log recovery (hook tender) |
| FWPHAR4203 | Design log landings and snig tracks |
| FWPHAR4204 | Plan and coordinate fire salvage operations |
| FWPHAR4205 | Implement harvesting plans |
| FWPHAR5201 | Design harvesting plans |
| FWPSAW2201 | Grade round poles and debarked logs |
| FWPSAW2202 | Sort boards manually |
| FWPSAW2203 | Sort boards mechanically |
| FWPSAW2204 | Dock boards with mechanical feed |
| FWPSAW2205 | Assemble materials using nail plates |
| FWPSAW2206 | De-stack seasoning racks |
| FWPSAW2207 | Round softwood logs |
| FWPSAW2208 | Split wood products |
| FWPSAW2209 | Dismantle, transport and assemble hand portable sawmill |
| FWPSAW2210 | Prepare for timber treatment operations |
| FWPSAW3201 | Treat timber |
| FWPSAW3202 | Produce sawn green boards |
| FWPSAW3203 | Break down logs |
| FWPSAW3204 | Saw flitches and cants |
| FWPSAW3205 | Dry hardwood |
| FWPSAW3206 | Dry softwood |
| FWPSAW3207 | Sharpen band saws |
| FWPSAW3208 | Sharpen circular saws |
| FWPSAW3209 | Align sawing production systems |
| FWPSAW3210 | File and set saws |
| FWPSAW3211 | Recondition guides |
| FWPSAW3212 | Sharpen tipped circular saws |
| FWPSAW3213 | Level and tension circular saws |
| FWPSAW3214 | Join band saw blades |
| FWPSAW3215 | Screen wood chips |
| FWPSAW3216 | Transfer wood chips |
| FWPSAW3217 | Hard face saw teeth |
| FWPSAW3218 | Replace tungsten tips |
| FWPSAW3219 | Replace stellite tips |
| FWPSAW3220 | Maintain wide band saw blades |
| FWPSAW3221 | Profile saw blanks |
| FWPSAW3222 | Recondition band mill wheels |
| FWPSAW3223 | Assess wood chips |
| FWPSAW3224 | Coordinate and monitor the wood chip stockpile |
| FWPSAW3225 | Maintain frame saw blades |
| FWPSAW3226 | Saw logs using CNC optimising systems |
| FWPSAW3227 | Select and saw logs in multi-species operations |
| FWPSAW3228 | Apply principles of blade design to sawing procedures |
| FWPSAW3229 | Operate a portable sawmill |
| FWPSAW4201 | Plan and monitor timber treatment plant operations |
| FWPSAW4202 | Plan and monitor saw log operations |
| FWPSAW4203 | Coordinate timber drying operations |
| FWPSAW4204 | Plan and monitor board conversion |
| FWPTMM2201 | Cut material to length and angles |
| FWPTMM2202 | Machine material |
| FWPTMM2203 | Read and interpret timber truss, floor and/or frame fabrication plans |
| FWPTMM3201 | Convert timber |
| FWPTMM3202 | Manufacture using joinery machines |
| FWPTMM3203 | Estimate and cost job |
| FWPTMM3204 | Interpret designs to prepare timber roof truss drawings and documents using computers |
| FWPTMM3205 | Interpret designs to prepare timber floor system drawings and documents using computers |
| FWPTMM3206 | Interpret designs to prepare timber wall frame drawings and documents using computers |
| FWPTMM3207 | Set up timber floor trusses |
| FWPTMM4201 | Construct prototypes and samples |
| FWPTMM4202 | Diagnose and calculate production costs |
| FWPTMM4203 | Install and commission CNC software |
| FWPTMM4204 | Sample and test products to specifications |
| FWPTMM4205 | Prepare and advise on a broad range of timber roof truss details using computers |
| FWPTMM4206 | Prepare and advise on a broad range of timber floor system details using computers |
| FWPTMM4207 | Prepare and advise on a broad range of timber wall frame details using computers |
| FWPTMM5201 | Assess product feasibility of designs |
| FWPTMM5202 | Develop, trial and evaluate prototypes |
| FWPTMM5203 | Generate and transfer complex computer-aided drawings and specifications |
| FWPTMM5204 | Manage product design |
| FWPTMM5205 | Optimise CNC operations |
| FWPTMM5206 | Plan production |
| FWPWPP2201 | Cut panels |
| FWPWPP2202 | Surface treat raw board |
| FWPWPP2203 | Repair veneer and ply |
| FWPWPP2204 | Repair veneer mechanically |
| FWPWPP2205 | Prepare chip or fibre blends |
| FWPWPP2206 | Prepare veneer for ply |
| FWPWPP2207 | Scarf edges of veneer |
| FWPWPP2208 | Cut veneer |
| FWPWPP2209 | Saw products from continuous ply |
| FWPWPP2210 | Cut panels to profile |
| FWPWPP2211 | Move material by transfer equipment |
| FWPWPP3201 | Produce veneer from debarked logs |
| FWPWPP3202 | Paint panels |
| FWPWPP3203 | Produce fibre from chips |
| FWPWPP3204 | Form board |
| FWPWPP3205 | Match and join veneer |
| FWPWPP3206 | Laminate and veneer board surfaces |
| FWPWPP3207 | Clip veneer |
| FWPWPP3208 | Punch peg holes in panels |
| FWPWPP3209 | Prepare resin and additives |
| FWPWPP3210 | Laminate board |
| FWPWPP3211 | Maintain caul plates and screens |
| FWPWPP3212 | Dry material |
| FWPWPP3213 | Heat treat material |
| FWPWPP3214 | Treat paper |
| FWPWPP3215 | Cut paper |
| FWPWPP3216 | Press material using the daylight process |
| FWPWPP3217 | Process production effluent |
| FWPWPP3218 | Plan and coordinate machining of panels |
| FWPWPP3219 | Blend and test binding mixes |
| FWPWPP3220 | Plan and coordinate panel painting |
| FWPWPP3221 | Trim new panels to size |
| FWPWPP3222 | Press laminated ply |
| FWPWPP3223 | Immunise veneer |
| FWPWPP3224 | Profile sand products |
| FWPWPP3225 | Produce profile sanding shoes and wheels |
| FWPWPP3226 | Operate a continuous press |
| FWPWPP3227 | Vacuum paint |
| FWPWPP3228 | Dry Wood Flakes |
| FWPWPP3229 | Classify flake |
| FWPWPP3230 | Produce decorative veneers |
| FWPWPP3231 | Produce veneer from prepared flitches |
| FWPWPP4201 | Plan and coordinate panel production |
| FWPWPP4202 | Perform laboratory testing |

### Imported units of competency

| *FWP Forest and Wood Products Training Package Version 3.0*  Imported Units of Competency | | |
| --- | --- | --- |
| Code | Title | Parent Training Package |
| AHCARB206 | Operate and maintain stump grinding machines | AHC10 Agriculture, Horticulture and Conservation and Land Management |
| AHCARB307 | Use advanced climbing techniques | AHC10 Agriculture, Horticulture and Conservation and Land Management |
| AHCARB312 | Use standard climbing techniques to access trees | AHC10 Agriculture, Horticulture and Conservation and Land Management |
| AHCBUS502A | Market products and services | AHC10 Agriculture, Horticulture and Conservation and Land Management |
| AHCCHM201 | Apply chemicals under supervision | AHC10 Agriculture, Horticulture and Conservation and Land Management |
| AHCCHM303 | Prepare and apply chemicals | AHC10 Agriculture, Horticulture and Conservation and Land Management |
| AHCCHM304 | Transport and store chemicals | AHC10 Agriculture, Horticulture and Conservation and Land Management |
| AHCCHM401A | Minimise risks in the use of chemicals | AHC10 Agriculture, Horticulture and Conservation and Land Management |
| AHCCHM402A | Plan and implement a chemical use program | AHC10 Agriculture, Horticulture and Conservation and Land Management |
| AHCFIR201A | Assist with prescribed burning | AHC10 Agriculture, Horticulture and Conservation and Land Management |
| AHCILM201 | Maintain cultural places | AHC10 Agriculture, Horticulture and Conservation and Land Management |
| AHCILM401A | Protect places of cultural significance | AHC10 Agriculture, Horticulture and Conservation and Land Management |
| AHCINF202A | Install, maintain and repair fencing | AHC10 Agriculture, Horticulture and Conservation and Land Management |
| AHCINF203A | Maintain properties and structures | AHC10 Agriculture, Horticulture and Conservation and Land Management |
| AHCINF303 | Plan and construct conventional fencing | AHC10 Agriculture, Horticulture and Conservation and Land Management |
| AHCIRG306 | Troubleshoot irrigation systems | AHC10 Agriculture, Horticulture and Conservation and Land Management |
| AHCIRG327A | Implement an irrigation schedule | AHC10 Agriculture, Horticulture and Conservation and Land Management |
| AHCIRG406A | Plan on-site irrigation system installation and construction work | AHC10 Agriculture, Horticulture and Conservation and Land Management |
| AHCIRG503A | Design irrigation, drainage and water treatment systems | AHC10 Agriculture, Horticulture and Conservation and Land Management |
| AHCLSC302 | Construct landscape features using concrete | AHC10 Agriculture, Horticulture and Conservation and Land Management |
| AHCLSC304 | Erect timber structures and features | AHC10 Agriculture, Horticulture and Conservation and Land Management |
| AHCMOM301 | Coordinate machinery and equipment maintenance and repair | AHC10 Agriculture, Horticulture and Conservation and Land Management |
| AHCMOM402A | Supervise maintenance of property machinery and equipment | AHC10 Agriculture, Horticulture and Conservation and Land Management |
| AHCNAR303 | Implement revegetation works | AHC10 Agriculture, Horticulture and Conservation and Land Management |
| AHCNAR402A | Plan the implementation of revegetation works | AHC10 Agriculture, Horticulture and Conservation and Land Management |
| AHCNSY201A | Pot up plants | AHC10 Agriculture, Horticulture and Conservation and Land Management |
| AHCNSY202A | Tend nursery plants | AHC10 Agriculture, Horticulture and Conservation and Land Management |
| AHCNSY203A | Undertake propagation activities | AHC10 Agriculture, Horticulture and Conservation and Land Management |
| AHCNSY301 | Maintain nursery plants | AHC10 Agriculture, Horticulture and Conservation and Land Management |
| AHCNSY302A | Receive and dispatch nursery products | AHC10 Agriculture, Horticulture and Conservation and Land Management |
| AHCNSY306 | Implement a propagation plan | AHC10 Agriculture, Horticulture and Conservation and Land Management |
| AHCNSY401A | Plan a growing-on program | AHC10 Agriculture, Horticulture and Conservation and Land Management |
| AHCNSY402A | Plan a propagation program | AHC10 Agriculture, Horticulture and Conservation and Land Management |
| AHCPGD402A | Plan a plant establishment program | AHC10 Agriculture, Horticulture and Conservation and Land Management |
| AHCPHT503A | Manage a controlled growing environment | AHC10 Agriculture, Horticulture and Conservation and Land Management |
| AHCPMG201A | Treat weeds | AHC10 Agriculture, Horticulture and Conservation and Land Management |
| AHCPMG202A | Treat plant pests, diseases and disorders | AHC10 Agriculture, Horticulture and Conservation and Land Management |
| AHCPMG301 | Control weeds | AHC10 Agriculture, Horticulture and Conservation and Land Management |
| AHCPMG302 | Control plant pests, diseases and disorders | AHC10 Agriculture, Horticulture and Conservation and Land Management |
| AHCPMG402A | Develop a pest management action plan within a local area | AHC10 Agriculture, Horticulture and Conservation and Land Management |
| AHCPMG503A | Develop a strategy for the management of target pests | AHC10 Agriculture, Horticulture and Conservation and Land Management |
| AHCSAW201A | Conduct erosion and sediment control activities | AHC10 Agriculture, Horticulture and Conservation and Land Management |
| AHCSAW302 | Implement erosion and sediment control measures | AHC10 Agriculture, Horticulture and Conservation and Land Management |
| AHCWAT502A | Manage water systems | AHC10 Agriculture, Horticulture and Conservation and Land Management |
| AHCWRK201 | Observe and report on weather | AHC10 Agriculture, Horticulture and Conservation and Land Management |
| AHCWRK203 | Operate in isolated and remote situations | AHC10 Agriculture, Horticulture and Conservation and Land Management |
| AHCWRK302 | Monitor weather conditions | AHC10 Agriculture, Horticulture and Conservation and Land Management |
| AHCWRK304 | Respond to rescue incidents | AHC10 Agriculture, Horticulture and Conservation and Land Management |
| AHCWRK505A | Manage trial and/or research material | AHC10 Agriculture, Horticulture and Conservation and Land Management |
| AURTGA001 | Drive and manoeuvre trailers | AUR Automotive Retail, Service and Repair Training Package |
| AURTGA3001 | Drive and manoeuvre trailers | AUR12 Automotive Industry Retail, Service and Repair Training Package |
| BSBADM311 | Maintain business resources | BSB Business Services Training Package |
| BSBAUD501 | Initiate a quality audit | BSB Business Services Training Package |
| BSBCMM401 | Make a presentation | BSB Business Services Training Package |
| BSBCMM402 | Implement effective communication strategies | BSB Business Services Training Package |
| BSBCRT402 | Collaborate in a creative process | BSB Business Services Training Package |
| BSBCUE301 | Use multiple information systems | BSB Business Services Training Package |
| BSBCUE305 | Process credit applications | BSB Business Services Training Package |
| BSBCUE306 | Process complex accounts | BSB Business Services Training Package |
| BSBCUS301 | Deliver and monitor a service to customers | BSB Business Services Training Package |
| BSBCUS401 | Coordinate implementation of customer service strategies | BSB Business Services Training Package |
| BSBCUS402 | Address customer needs | BSB Business Services Training Package |
| BSBCUS501 | Manage quality customer service | BSB Business Services Training Package |
| BSBFIA301 | Maintain financial records | BSB Business Services Training Package |
| BSBFIM501 | Manage budgets and financial plans | BSB Business Services Training Package |
| BSBFLM303 | Contribute to effective workplace relationships | BSB Business Services Training Package |
| BSBFLM305 | Support operational plan | BSB Business Services Training Package |
| BSBFLM312 | Contribute to team effectiveness | BSB Business Services Training Package |
| BSBINM201 | Process and maintain workplace information | BSB Business Services Training Package |
| BSBINM301 | Organise workplace information | BSB Business Services Training Package |
| BSBINM401 | Implement workplace information system | BSB Business Services Training Package |
| BSBINM501 | Manage an information or knowledge management system | BSB Business Services Training Package |
| BSBINN201 | Contribute to workplace innovation | BSB Business Services Training Package |
| BSBINN501 | Establish systems that support innovation | BSB Business Services Training Package |
| BSBINN502 | Build and sustain an innovative work environment | BSB Business Services Training Package |
| BSBINN601 | Lead and manage organisational change | BSB Business Services Training Package |
| BSBITS401 | Maintain business technology | BSB Business Services Training Package |
| BSBITU201 | Produce simple word processed documents | BSB Business Services Training Package |
| BSBITU306 | Design and produce business documents | BSB Business Services Training Package |
| BSBLDR402 | Lead effective workplace relationships | BSB Business Services Training Package |
| BSBLDR403 | Lead team effectiveness | BSB Business Services Training Package |
| BSBLDR803 | Develop and cultivate collaborative partnerships and relationships | BSB Business Services Training Package |
| BSBLED401 | Develop teams and individuals | BSB Business Services Training Package |
| BSBLED501 | Develop a workplace learning environment | BSB Business Services Training Package |
| BSBMGT402 | Implement operational plan | BSB Business Services Training Package |
| BSBMGT403 | Implement continuous improvement | BSB Business Services Training Package |
| BSBMGT502 | Manage people performance | BSB Business Services Training Package |
| BSBMGT516 | Facilitate continuous improvement | BSB Business Services Training Package |
| BSBMGT517 | Manage operational plan | BSB Business Services Training Package |
| BSBMGT616 | Develop and implement strategic plans | BSB Business Services Training Package |
| BSBMKG501 | Identify and evaluate marketing opportunities | BSB Business Services Training Package |
| BSBPMG415 | Apply project risk management techniques | BSB Business Services Training Package |
| BSBPMG416 | Apply project procurement procedures | BSB Business Services Training Package |
| BSBPMG522 | Undertake project work | BSB Business Services Training Package |
| BSBRES401 | Analyse and present research information | BSB Business Services Training Package |
| BSBRSK401 | Identify risk and apply risk management processes | BSB Business Services Training Package |
| BSBRSK501 | Manage risk | BSB Business Services Training Package |
| BSBSMB404 | Undertake small business planning | BSB Business Services Training Package |
| BSBSMB406 | Manage small business finances | BSB Business Services Training Package |
| BSBSUS501 | Develop workplace policy and procedures for sustainability | BSB Business Services Training Package |
| BSBWHS503 | Contribute to the systematic management of WHS risk | BSB Business Services Training Package |
| BSBWOR204 | Use business technology | BSB Business Services Training Package |
| BSBWOR301 | Organise personal work priorities and development | BSB Business Services Training Package |
| BSBWOR501 | Manage personal work priorities and professional development | BSB Business Services Training Package |
| BSBWOR502 | Lead and manage team effectiveness | BSB Business Services Training Package |
| BSBWRK506A | Coordinate research and analysis | BSB07 Business Services Training Package |
| BSBWRT401 | Write complex documents | BSB Business Services Training Package |
| CPCCBC4001A | Apply building codes and standards to the construction process for low rise building projects | CPC08 Construction, Plumbing and Services Training Package |
| CPCCBC4004A | Identify and produce estimated costs for building and construction projects | CPC08 Construction, Plumbing and Services Training Package |
| CPCCBC4005A | Produce labour and material schedules for ordering | CPC08 Construction, Plumbing and Services Training Package |
| CPCCBC4014A | Prepare simple building sketches and drawings | CPC08 Construction, Plumbing and Services Training Package |
| CPCCBC4024A | Resolve business disputes | CPC08 Construction, Plumbing and Services Training Package |
| CPCCCA2011A | Handle carpentry materials | CPC08 Construction, Plumbing and Services Training Package |
| CPCCCA3006B | Erect roof trusses | CPC08 Construction, Plumbing and Services Training Package |
| CPCCCM1015A | Carry out measurements and calculations | CPC08 Construction, Plumbing and Services Training Package |
| CPCCLDG3001A | Licence to perform dogging | CPC08 Construction, Plumbing and Services Training Package |
| CPCCOHS2001A | Apply OHS requirements, policies and procedures in the construction industry | CPC08 Construction, Plumbing and Services Training Package |
| CPCCSV5010A | Interact with clients in a regulated environment | CPC08 Construction, Plumbing and Services Training Package |
| CPCCSV5011A | Apply building codes and standards to residential buildings | CPC08 Construction, Plumbing and Services Training Package |
| CPCCSV5012A | Assess timber-framed designs for one and two storey buildings | CPC08 Construction, Plumbing and Services Training Package |
| CPCCSV5015A | Assess structural requirements for domestic scale buildings | CPC08 Construction, Plumbing and Services Training Package |
| CPCSUS4001A | Implement and monitor environmentally sustainable work practices | CPC08 Construction, Plumbing and Services Training Package |
| CPPSEC1002A | Apply retail security procedures | CPP07 Property Services Training Package |
| CPPSEC3007A | Maintain security of environment | CPP07 Property Services Training Package |
| CUADES403 | Research and apply techniques in spatial design | CUA Creative Arts and Culture Training Package |
| CUVDES405A | Research and apply techniques in spatial design | CUV11 Visual Arts, Crafts and Design Training Package |
| HLTAID003 | Provide first aid | HLT Health |
| HLTAID005 | Provide first aid in remote situations | HLT Health |
| HLTAID006 | Provide advanced first aid | HLT Health |
| HLTAID008 | Manage first aid services and resources | HLT Health |
| ICTICT308 | Use advanced features of computer applications | ICT Information and Communications Technology |
| ICTSUS804 | Use ICT to improve sustainability outcomes | ICT Information and Communications Technology |
| LGACOM401A | Administer contracts | LGA04 Local Government Training Package |
| LGACOM409A | Prepare tender documentation | LGA04 Local Government Training Package |
| LGACOM502B | Devise and conduct community consultations | LGA04 Local Government Training Package |
| LGAEHRR504C | Implement public environmental health education programs | LGA04 Local Government Training Package |
| LGAPLEM404A | Prepare and present geographic information systems data | LGA04 Local Government Training Package |
| LGAPLEM612B | Protect heritage and cultural assets | LGA04 Local Government Training Package |
| LGAWORK212A | Perform field support duties in a roadwork environment | LGA04 Local Government Training Package |
| MEM05004C | Perform routine oxy acetylene welding | MEM05 Metal and Engineering Training Package |
| MEM05006C | Perform brazing and or silver soldering | MEM05 Metal and Engineering Training Package |
| MEM05049B | Perform routine gas tungsten arc welding | MEM05 Metal and Engineering Training Package |
| MEM05050B | Perform routine gas metal arc welding | MEM05 Metal and Engineering Training Package |
| MEM18011C | Shut down and isolate machines/equipment | MEM05 Metal and Engineering Training Package |
| MSACMT671A | Develop and manage sustainable environmental practices | MSA07 Manufacturing Training Package |
| MSAPMOPS404A | Co-ordinate maintenance | MSA07 Manufacturing Training Package |
| MSAPMSUP390A | Use structured problem solving tools | MSA07 Manufacturing Training Package |
| MSFGG2008 | Glaze and re-glaze residential windows and doors | MSF Furnishing Training Package |
| MSS015002A | Develop strategies for more sustainable use of resources | MSS11 Sustainability Training Package |
| MSS015003A | Analyse product life cycle for sustainability | MSS11 Sustainability Training Package |
| MSS015011A | Conduct a sustainability energy audit | MSS11 Sustainability Training Package |
| MSS402001 | Apply competitive systems and practices | MSS11 Sustainability Training Package |
| MSS402030A | Apply cost factors to work practices | MSS11 Sustainability Training Package |
| MSS402050A | Monitor process capability | MSS11 Sustainability Training Package |
| MSS402051A | Apply quality standards | MSS11 Sustainability Training Package |
| MSS402060A | Use planning software systems in operations | MSS11 Sustainability Training Package |
| MSS403001A | Implement competitive systems and practices | MSS11 Sustainability Training Package |
| MSS403010A | Facilitate change in an organisation implementing competitive systems and practices | MSS11 Sustainability Training Package |
| MSS403032A | Analyse manual handling processes | MSS11 Sustainability Training Package |
| MSS403051A | Mistake proof an operational process | MSS11 Sustainability Training Package |
| MSS404050A | Undertake process capability improvements | MSS11 Sustainability Training Package |
| MSS404052A | Apply statistics to operational processes | MSS11 Sustainability Training Package |
| MSS404060A | Facilitate the use of planning software systems in a work area or team | MSS11 Sustainability Training Package |
| MSS404082A | Assist in implementing a proactive maintenance strategy | MSS11 Sustainability Training Package |
| MSS405001A | Develop competitive systems and practices for an organisation | MSS11 Sustainability Training Package |
| MSS405004A | Develop business plans in an organisation implementing competitive systems and practices | MSS11 Sustainability Training Package |
| MSS405030A | Optimise cost of a product or service | MSS11 Sustainability Training Package |
| MSS405031A | Undertake value analysis of product or process costs in terms of customer requirements | MSS11 Sustainability Training Package |
| MSS405062A | Develop a documentation control strategy for an organisation | MSS11 Sustainability Training Package |
| MSS405070A | Develop and manage sustainable energy practices | MSS11 Sustainability Training Package |
| MSS405075A | Facilitate the development of a new product | MSS11 Sustainability Training Package |
| PSPGOV521A | Collect statistical data | PSP04 Public Sector Training Package |
| PSPPOL603A | Manage policy implementation | PSP04 Public Sector Training Package |
| PSPREG603A | Manage and lead inspection and monitoring programs | PSP04 Public Sector Training Package |
| PUACOM012B | Liaise with media at a local level | PUA00 Public Safety Training Package |
| PUAEQU001B | Prepare, maintain and test response equipment | PUA00 Public Safety Training Package |
| PUAFIR204B | Respond to wildfire | PUA00 Public Safety Training Package |
| PUAFIR209B | Work safely around aircraft | PUA00 Public Safety Training Package |
| PUAFIR215 | Prevent injury | PUA12 Public Safety Training Package |
| PUAFIR303B | Suppress wildfire | PUA00 Public Safety Training Package |
| PUAFIR309B | Operate pumps | PUA00 Public Safety Training Package |
| PUAFIR412 | Conduct simple prescribed burns | PUA12 Public Safety Training Package |
| PUAFIR413 | Develop simple prescribed burn plans | PUA12 Public Safety Training Package |
| PUAFIR501B | Conduct fire investigation and analysis activities | PUA00 Public Safety Training Package |
| PUAFIR509B | Implement prevention strategies | PUA00 Public Safety Training Package |
| PUAFIR511 | Conduct complex prescribed burns | PUA12 Public Safety Training Package |
| PUAFIR513 | Develop complex prescribed burn plans | PUA12 Public Safety Training Package |
| PUALAW001B | Protect and preserve incident scene | PUA00 Public Safety Training Package |
| PUALAW002B | Conduct initial investigation at incident scene | PUA00 Public Safety Training Package |
| PUAOHS002B | Maintain safety at an incident scene | PUA00 Public Safety Training Package |
| PUAOPE001B | Supervise response | PUA00 Public Safety Training Package |
| PUAOPE002B | Operate communications systems and equipment | PUA00 Public Safety Training Package |
| PUAOPE005B | Manage a multi team response | PUA00 Public Safety Training Package |
| PUAOPE007B | Command agency personnel within a multi-agency emergency response | PUA00 Public Safety Training Package |
| PUATEA001B | Work in a team | PUA00 Public Safety Training Package |
| PUATEA002B | Work autonomously | PUA00 Public Safety Training Package |
| RIIHAN308E | Load and unload plant | RII Resources and Infrastructure Industry Training Package |
| RIIMPO315D | Conduct tractor operations | RII Resources and Infrastructure Industry Training Package |
| RIIMPO317E | Conduct roller operations | RII Resources and Infrastructure Industry Training Package |
| RIIMPO318E | Conduct civil construction skid steer loader operations | RII Resources and Infrastructure Industry Training Package |
| RIIMPO319D | Conduct backhoe/loader operations | RII Resources and Infrastructure Industry Training Package |
| RIIMPO320E | Conduct civil construction excavator operations | RII Resources and Infrastructure Industry Training Package |
| RIIMPO321E | Conduct civil construction wheeled front end loader operations | RII Resources and Infrastructure Industry Training Package |
| RIIMPO322D | Conduct civil construction tracked front end loader operations | RII Resources and Infrastructure Industry Training Package |
| RIIMPO323D | Conduct civil construction dozer operations | RII Resources and Infrastructure Industry Training Package |
| RIIMPO324E | Conduct civil construction grader operations | RII Resources and Infrastructure Industry Training Package |
| RIIVEH304D | Conduct tip truck operations | RII Resources and Infrastructure Industry Training Package |
| RIIWHS205D | Control traffic with stop-slow bat | RII Resources and Infrastructure Industry Training Package |
| SIRRRPK214 | Recommend specialised products and services | SIR07 Retail Services Training Package |
| SIRWINV302 | Monitor inventory capacity to meet demand | SIR07 Retail Services Training Package |
| SIRWSLS301 | Build sales relationships | SIR07 Retail Services Training Package |
| SIRXADM001A | Apply retail office procedures | SIR07 Retail Services Training Package |
| SIRXCCS201 | Apply point-of-sale handling procedures | SIR07 Retail Services Training Package |
| SIRXCEG001 | Engage the customer | SIR07 Retail Services Training Package |
| SIRXFIN002A | Perform retail finance duties | SIR07 Retail Services Training Package |
| SIRXFIN003A | Produce financial reports | SIR07 Retail Services Training Package |
| SIRXFIN004A | Manage financial resources | SIR07 Retail Services Training Package |
| SIRXFIN201 | Balance and secure point-of-sale terminal | SIR07 Retail Services Training Package |
| SIRXICT001A | Operate retail technology | SIR07 Retail Services Training Package |
| SIRXICT303 | Operate retail information technology systems | SIR07 Retail Services Training Package |
| SIRXINV001A | Perform stock control procedures | SIR07 Retail Services Training Package |
| SIRXINV004A | Buy merchandise | SIR07 Retail Services Training Package |
| SIRXMER004A | Manage merchandise and store presentation | SIR07 Retail Services Training Package |
| SIRXMER201 | Merchandise products | SIR07 Retail Services Training Package |
| SIRXMER202 | Plan, create and maintain displays | SIR07 Retail Services Training Package |
| SIRXMER303 | Coordinate merchandise presentation | SIR07 Retail Services Training Package |
| SIRXMER406 | Monitor in-store visual merchandising display | SIR07 Retail Services Training Package |
| SIRXQUA001A | Develop innovative ideas at work | SIR07 Retail Services Training Package |
| SIRXRSK001 | Identify and respond to security risks | SIR Retail Services Training Package |
| SIRXSLS002 | Follow point-of-sale procedures | SIR Retail Services Training Package |
| SIRXSLS201 | Sell products and services | SIR07 Retail Services Training Package |
| SIRXSLS303 | Build relationships with customers | SIR07 Retail Services Training Package |
| SIRXSLS406 | Manage sales and service delivery | SIR07 Retail Services Training Package |
| SITTPPD402 | Develop interpretive activities | SIT12 Tourism, Travel and Hospitality Training Package |
| TAEASS401 | Plan assessment activities and processes | TAE Training and Education Training Package |
| TAEASS402 | Assess competence | TAE Training and Education Training Package |
| TAEASS403 | Participate in assessment validation | TAE Training and Education Training Package |
| TAEDEL301 | Provide work skill instruction | TAE Training and Education Training Package |
| TAEDEL401 | Plan, organise and deliver group-based learning | TAE Training and Education Training Package |
| TAEDEL402 | Plan, organise and facilitate learning in the workplace | TAE Training and Education Training Package |
| TAEDES401 | Design and develop learning programs | TAE Training and Education Training Package |
| TAEDES402 | Use training packages and accredited courses to meet client needs | TAE Training and Education Training Package |
| TLIA2012 | Pick and process orders | TLI Transport and Logistics Training Package |
| TLIA3015 | Complete receival/despatch documentation | TLI Transport and Logistics Training Package |
| TLIA3016 | Use inventory systems to organise stock control | TLI Transport and Logistics Training Package |
| TLIA3018 | Organise despatch operations | TLI Transport and Logistics Training Package |
| TLIA3038 | Control and order stock | TLI Transport and Logistics Training Package |
| TLIC2002 | Drive light rigid vehicle | TLI Transport and Logistics Training Package |
| TLIC3003 | Drive medium rigid vehicle | TLI Transport and Logistics Training Package |
| TLIC3004 | Drive heavy rigid vehicle | TLI Transport and Logistics Training Package |
| TLIC3005 | Drive heavy combination vehicle | TLI Transport and Logistics Training Package |
| TLIC3063 | Operate vehicle carrying special loads | TLI Transport and Logistics Training Package |
| TLIC4006 | Drive multi-combination vehicle | TLI Transport and Logistics Training Package |
| TLID1001 | Shift materials safely using manual handling methods | TLI Transport and Logistics Training Package |
| TLID2004 | Load and unload goods/cargo | TLI Transport and Logistics Training Package |
| TLID2010 | Operate a forklift | TLI Transport and Logistics Training Package |
| TLID2012 | Operate specialised load shifting equipment | TLI Transport and Logistics Training Package |
| TLID2013 | Move materials mechanically using automated equipment | TLI Transport and Logistics Training Package |
| TLID2047 | Prepare cargo for transfer with slings | TLI Transport and Logistics Training Package |
| TLID3011 | Conduct specialised forklift operations | TLI Transport and Logistics Training Package |
| TLID3014 | Load and unload vehicles carrying special loads | TLI Transport and Logistics Training Package |
| TLID3033 | Operate a vehicle-mounted loading crane | TLI Transport and Logistics Training Package |
| TLID3035 | Operate a boom type elevating work platform | TLI Transport and Logistics Training Package |
| TLID3036 | Lift and move load using a mobile crane | TLI Transport and Logistics Training Package |
| TLID3043 | Shift loads using gantry equipment | TLI Transport and Logistics Training Package |
| TLID4032 | Plan and conduct specialised lift | TLI Transport and Logistics Training Package |
| TLIE3002 | Estimate/calculate mass, area and quantify dimensions | TLI Transport and Logistics Training Package |
| TLIE4006 | Collect, analyse and present workplace data and information | TLI Transport and Logistics Training Package |
| TLIF1002 | Conduct housekeeping activities | TLI Transport and Logistics Training Package |
| TLIF2010 | Apply fatigue management strategies | TLI Transport and Logistics Training Package |
| TLIF4007 | Implement and coordinate accident-emergency procedures | TLI Transport and Logistics Training Package |
| TLIH2001 | Interpret road maps and navigate pre-determined routes | TLI Transport and Logistics Training Package |
| TLILIC2001 | Licence to operate a forklift truck | TLI Transport and Logistics Training Package |
| TLILIC2002 | Licence to operate an order picking forklift truck | TLI Transport and Logistics Training Package |
| TLIR4002 | Source goods/services and evaluate contractors | TLI Transport and Logistics Training Package |

### Units of competency with prerequisite requirements

Prerequisite requirements are listed in the unit of competency. In some cases, a chain of pre-requisites applies to a particular unit, for example, Unit C is a prerequisite for Unit B, which is a prerequisite for Unit A.

The following example shows the format used for prerequisite requirements in units of competency in this training package.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| The prerequisite unit of competency for this unit is:   * ACMEQU202 Handle horses.   Note the following chain of prerequisites that also applies to this unit.   |  |  | | --- | --- | | **Unit of competency** | **Prerequisite requirement** | | ACMEQU202 Handle horses safely | ACMEQU205 Apply knowledge of horse behaviour | |

FWP units of competency within the Forest and Wood Products Training Package have no prerequisite units.

# Appendix 2: Mapping information

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

### Qualifications

| *FWP Forest and Wood Products Training Package Version 3.0*  Mapping of qualifications | | | |
| --- | --- | --- | --- |
| Code and title (Version 2.0) | Code and title (Version 3.0) | Comments | Equivalence statement |
| 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 |
| 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 |
| 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 |
| 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 |
| 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 |

### Skill sets

| *FWP Forest and Wood Products Training Package Version 3.0*  Mapping of skill sets | | | |
| --- | --- | --- | --- |
| Code and title (Version 2.0) | Code and title (Version 3.0) | Comments | Equivalence statement |
| [FWPSS00010](http://training.gov.au/Training/Details/FWPSS00010) Skill set for a boom delimber operator | Not applicable | Deleted skill set | Not applicable |
| FWPSS00011 Skill set for a crawler/dozer operator | FWPSS00032 Skill set for a crawler tractor operator | Code and title change as the skill set includes one improved unit | No equivalent skill set |
| FWPSS00012 Skill set for a feller buncher operator | FWPSS00033 Skill set for a feller buncher operator | Code change as the skill set includes one improved unit | No equivalent skill set |
| FWPSS00013 Skill set for a forwarder operator | FWPSS00034 Skill set for a forwarder operator | Code change as the skill set includes one improved unit | No equivalent skill set |
| FWPSS00015 Skill set for a loader operator | FWPSS00035 Skill set for a loader operator | Code change as the skill set includes one improved unit | No equivalent skill set |
| FWPSS00016 Skill set for a mechanical processor operator | FWPSS00016 Skill set for a mechanical processor operator | No changes applied to this skill set | 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

Abbreviations used in the following table: PC – Performance Criteria; PE – Performance Evidence; KE – Knowledge Evidence

| *FWP Forest and Wood Products Training Package Version 3.0*  Mapping of units of competency | | | |
| --- | --- | --- | --- |
| Code and title (Version 2.0) | Code and title (Version 3.0) | Comments | Equivalence statement |
| 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 |
| FWPCOT2226 Debark logs mechanically | FWPCOT2226 Debark logs mechanically | One new PC1.5 added and PC1.4 edited to align with existing KE. Minor additions to the foundation skills. | Equivalent unit |
| FWPCOT3223 Grade and mark logs | FWPCOT3270 Grade and mark logs | Significant changes to reflect industry requirements for a safe and appropriate operation. New PCs were added, most PCs were edited and PE and KE increased in content to map against the revised PCs.  Additional foundation skills identified.  Code change to reflect outcomes of unit. | No equivalent unit |
| FWPHAR3208 Conduct boom delimber operations | Not applicable | Deleted as the technology is no longer used in Australia | Not applicable |
| FWPHAR3210 Conduct mechanical processor operations | FWPHAR3210 Conduct mechanical processor operations | Minor additions to the foundation skills, with no other changes. | Equivalent unit |
| FWPHAR3222 Use on-board computer systems for forwarder | FWPHAR3222 Use on-board computer systems for forwarder | New unit | No equivalent unit |
| FWPHAR3223 Use on-board computer systems for single grip harvester | FWPHAR3223 Use on-board computer systems for single grip harvester | New unit | No equivalent unit |
| FWPHAR3216 Conduct forestry operations using crawler tractor | FWPHAR3224 Operate crawler tractor | Significant changes to reflect industry requirements for a safe, appropriate and efficient operation, including product quality. New PCs were added, some PCs were edited and PE and KE increased in content to map against the revised PCs.  Additional foundation skills identified.  Code and title change for consistency with other machine operation units. | No equivalent unit |
| FWPHAR3219 Conduct excavator operations with grabs | FWPHAR3225 Operate excavator with log grapple | Significant changes to reflect industry requirements for a safe, appropriate and efficient operation, including product quality. A new element and new PCs were added, most PCs were edited and PE and KE increased in content to map against the revised PCs.  Additional foundation skills identified.  Code and title change for consistency with industry terminology and other machine operation units. | No equivalent unit |
| FWPHAR3207 Conduct feller buncher operations | FWPHAR3226 Operate feller buncher | Significant changes to reflect industry requirements for a safe appropriate and efficient operation, including value recovery and product quality. A new element and new PCs were added, most PCs were edited and PE and KE increased in content to map against the revised PCs.  Additional foundation skills identified.  Code and title change for consistency with other machine operation units. | No equivalent unit |
| FWPHAR3206 Conduct forwarder operations | FWPHAR3227 Operate forwarder | Significant changes to reflect industry requirements for a safe, appropriate and efficient operation, including product quality. A new element and new PCs were added, most PCs were edited and PE and KE increased in content to map against the revised PCs.  Additional foundation skills identified.  Code and title change to reflect outcomes of unit and consistency with other machine operation units. | No equivalent unit |
| FWPHAR3218 Conduct loader operations | FWPHAR3228 Operate loader | Significant changes to reflect industry requirements for a safe, appropriate and efficient operation, including product quality. A new element and new PCs were added, most PCs were edited and PE and KE increased in content to map against the revised PCs.  Additional foundation skills identified.  Code and title change for consistency with other machine operation units. | No equivalent unit |
| FWPHAR3217 Conduct skidder operations | FWPHAR3230 Operate skidder | Significant changes to reflect industry requirements for a safe, appropriate and efficient operation, including product quality. New PCs were added, some PCs were edited and PE and KE increased in content to map against the revised PCs.  Additional foundation skills identified.  Code and title change for consistency with other machine operation units. | No equivalent unit |
| FWPHAR3211 Operate yarder | FWPHAR3231 Operate yarder | Significant changes to reflect industry requirements for a safe, appropriate and efficient operation, including product quality. New PCs were added, some PCs were edited and PE and KE increased in content to map against the revised PCs.  Additional foundation skills identified.  Code change. | No equivalent unit |
| FWPHAR3214 Operate a single grip harvester | FWPHAR3229 Operate single grip harvester | Significant changes to reflect industry requirements for a safe appropriate and efficient operation, including value recovery and product quality. A new element and new PCs were added, most PCs were edited and PE and KE increased in content to map against the revised PCs.  Additional foundation skills identified.  Code and title change for consistency with other machine operation units. | No equivalent unit |

### Imported units of competency

| *FWP Forest and Wood Products Training Package Version 3.0*  Mapping of imported units of competency | | | | |
| --- | --- | --- | --- | --- |
| Code and title  (Version **2.0**) | Code and title  (Version **3.0**) | Parent Package | Comments | Equivalence statement |
| AHCARB204A Undertake standard climbing techniques | AHCARB312 Use standard climbing techniques to access trees | AHC | Superseded | No equivalent |
| AHCARB206A Undertake stump removal | AHCARB206 Operate and maintain stump grinding machines | AHC | Superseded | No equivalent |
| AHCARB307A Undertake complex tree climbing | AHCARB307 Use advanced climbing techniques | AHC | Superseded | No equivalent |
| AHCCHM201A Apply chemicals under supervision | AHCCHM201 Apply chemicals under supervision | AHC | Superseded | No equivalent |
| AHCCHM303A Prepare and apply chemicals | AHCCHM303 Prepare and apply chemicals | AHC | Superseded | Equivalent |
| AHCCHM304A Transport, handle and store chemicals | AHCCHM304 Transport and store chemicals | AHC | Superseded | Equivalent |
| AHCEXP303A Prepare and use explosives | Not applicable | AHC | Deleted | Not applicable |
| AHCILM201A Maintain cultural places | AHCILM201 Maintain cultural places | AHC | Superseded | Equivalent |
| AHCINF303A Plan and construct conventional fencing | AHCINF303 Plan and construct conventional fencing | AHC | Superseded | Equivalent |
| AHCIRG301A Implement a maintenance program for an irrigation system | Not applicable | AHC | Deleted | Not applicable |
| AHCIRG306A Troubleshoot irrigation systems | AHCIRG306 Troubleshoot irrigation systems | AHC | Superseded | Equivalent |
| AHCLSC302A Construct landscape features using concrete | AHCLSC302 Construct landscape features using concrete | AHC | Superseded | Equivalent |
| AHCLSC304A Erect timber structures and features | AHCLSC304 Erect timber structures and features | AHC | Superseded | Equivalent |
| AHCMOM301 A Coordinate machinery and equipment maintenance and repair | AHCMOM301 Coordinate machinery and equipment maintenance and repair | AHC | Superseded | Equivalent |
| AHCNAR303A Implement revegetation works | AHCNAR303 Implement revegetation works | AHC | Superseded | Equivalent |
| AHCNSY301A Maintain nursery plants | AHCNSY301 Maintain nursery plants | AHC | Superseded | Equivalent |
| AHCNSY306A Implement a propagation plan | AHCNSY306 Implement a propagation plan | AHC | Superseded | Equivalent |
| AHCPMG301A Control weeds | AHCPMG301 Control weeds | AHC | Superseded | Equivalent |
| AHCPMG302A Control plant pests, diseases and disorders | AHCPMG302 Control plant pests, diseases and disorders | AHC | Superseded | Equivalent |
| AHCSAW302A Implement erosion and sediment control measures | AHCSAW302 Implement erosion and sediment control measures | AHC | Superseded | Equivalent |
| AHCWRK201A Observe and report on weather | AHCWRK201 Observe and report on weather | AHC | Superseded | Equivalent |
| AHCWRK203A Operate in isolated and remote situations | AHCWRK203 Operate in isolated and remote situations | AHC | Superseded | Equivalent |
| AHCWRK302A Monitor weather conditions | AHCWRK302 Monitor weather conditions | AHC | Superseded | Equivalent |
| AHCWRK304A Respond to rescue incidents | AHCWRK304 Respond to rescue incidents | AHC | Superseded | Equivalent |
| MSS402001A Apply competitive systems and practices | MSS402001 Apply competitive systems and practices | MSS | Superseded | Equivalent |
| SIRXCCS202 Interact with customers | SIRXCEG001 Engage the customer | SRI | Superseded | No equivalent |

Note: *AHCARB307 Use advanced climbing techniques* has prerequisite units. All other imported units of competency listed above have no prerequisite units.

# 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 2.0)** | **Code and title**  **(FWP Version 1.0)** | **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**  **(FWP Version 2.0)** | **Code and title**  **(FPI11 Version 2.3)** | **Comments** | **Equivalence** |
| FWP10116 Certificate I in Forest and Forest Products R1 | FPI10111 Certificate I in Forest and Forest Products R3 |  | Equivalent |
| FWP20116 Certificate II in Forest Growing and Management R1 | FPI20111 Certificate II in Forest Growing and Management R5  FPI20113 Certificate II in Forest Growing and Management R3 |  | Equivalent |
| FWP20216 Certificate II in Harvesting and Haulage R1 | FPI20211 Certificate II in Harvesting and Haulage R5  [FPI20213 Certificate II in Harvesting and Haulage](file://fw-fs1/Training/Details/FPI20213) R3 |  | Equivalent |
| FWP20316 Certificate II in Sawmilling and Processing R1 | FPI20311 Certificate II in Sawmilling and Processing R4 |  | Equivalent |
| FWP20416 Certificate II in Wood Panel Products R1 | FPI20411 Certificate II in Wood Panel Products R4 |  | Equivalent |
| FWP20516 Certificate II in Timber Manufactured Products R1 | FPI20511 Certificate II in Timber Manufactured Products R4 |  | Equivalent |
| FWP20616 Certificate II in Timber Merchandising R1 | FPI20611 Certificate II in Timber Merchandising R4 |  | Equivalent |
| FWP20716 Certificate II in Timber Truss and Frame Design and Manufacture R1 | FPI20711 Certificate II in Timber Truss and Frame Design and Manufacture R4 |  | Equivalent |
| FWP30116 Certificate III in Forest Growing and Management R1 | FPI30111 Certificate III in Forest Growing and Management R4  FPI30113 Certificate III in Forest Growing and Management R3 |  | Equivalent |
| FWP30216 Certificate III in Harvesting and Haulage R1 | FPI30211 Certificate III in Harvesting and Haulage R4  FPI30213 Certificate III in Harvesting and Haulage R3 |  | Equivalent |
| FWP30316 Certificate III in Sawmilling and Processing R1 | FPI30311 Certificate III in Sawmilling and Processing R4 |  | Equivalent |
| FWP30416 Certificate III in Wood Panel Products R1 | FPI30411 Certificate III in Wood Panel Products R4 |  | Equivalent |
| FWP30516 Certificate III in Timber Manufactured Products R1 | FPI30511 Certificate III in Timber Manufactured Products R4 |  | Equivalent |
| FWP30616 Certificate III in Timber Merchandising R1 | FPI30611 Certificate III in Timber Merchandising R4 | Unit selection more closely aligned to industry needs. See the following mapping table | Equivalent |
| FWP30716 Certificate III in Sawdoctoring R1 | FPI30711 Certificate III in Sawdoctoring R3 |  | Equivalent |
| FWP30816 Certificate III in Woodmachining R1 | FPI30811 Certificate III in Woodmachining R3 |  | Equivalent |
| FWP30916 Certificate III in Timber Truss and Frame Design and Manufacture R1 | FPI30911 Certificate III in Timber Truss and Frame Design and Manufacture R4 |  | Equivalent |
| FWP40116 Certificate IV in Forest Operations R1 | FPI40111 Certificate IV in Forest Operations R4 |  | Equivalent |
| FWP40216 Certificate IV in Timber Processing R1 | FPI40211 Certificate IV in Timber Processing R4 |  | Equivalent |
| FWP40316 Certificate IV in Timber Truss and Frame Manufacture R1 | FPI40311 Certificate IV in Timber Truss and Frame Manufacture R4 |  | Equivalent |
| FWP40416 Certificate IV in Timber Truss and Frame Design R1 | FPI40411 Certificate IV in Timber Truss and Frame Design R4 |  | Equivalent |
| FWP50116 Diploma of Forest and Forest Products R1 | FPI50111 Diploma of Forest and Forest Products R3 |  | Equivalent |
| FWP50316 Diploma of Timber Truss and Frame Manufacture R1 | FPI50311 Diploma of Timber Truss and Frame Manufacture R3 |  | Equivalent |
| FWP50416 Diploma of Timber Truss and Frame Design R1 | FPI50411 Diploma of Timber Truss and Frame Design R3 |  | Equivalent |

### Skill sets

| *FWP Forest and Wood Products Training Package Version 2.0*  Mapping of skill sets | | |
| --- | --- | --- |
| Code and title  (FWP Version 2.0) | Code and title  (FWP Version 1.0) | Equivalence |
| FWPSS00033 Skill set for forest and wood product innovation for leaders | FPISS00033 Skill set for forest and wood product innovation for leaders | Equivalent |
| FWPSS00034 Skill set for forest and wood product innovation for managers | FPISS00034 Skill set for forest and wood product innovation for managers | Equivalent |
| FWPSS00035 Skill set for supporting forest and wood products innovation | FPISS00035 Skill set for supporting forest and wood products innovation | Equivalent |
| FWPSS00036 Skill set for managing change in the forest and wood products industry | FPISS00036 Skill set for managing change in the forest and wood products industry | Equivalent |
| FWPSS00037 Skill set for forest and wood products industry stakeholder engagement | FPISS00037 Skill set for forest and wood products industry stakeholder engagement | Equivalent |
| FWPSS00038 Skill set for supporting workplace engagement in the forest and wood products industry | FPISS00038 Skill set for supporting workplace engagement in the forest and wood products industry | Equivalent |
| FWPSS00039 Skill set for leading business development in the forest and wood products industry | FPISS00039 Skill set for leading business development in the forest and wood products industry | Equivalent |
| FWPSS00040 Skill set for managing business development in the forest and wood products industry | FPISS00040 Skill set for managing business development in the forest and wood products industry | Equivalent |
| FWPSS00041 Skill set for supporting business development in the forest and wood products industry | FPISS00041 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  (FWP Version 2.0) | Code and title  (FPI11 Version 2.3) | Equivalence |
| FWPSS00011 Skill set for a boom delimber operator | FPISS00011 Skill set for a boom delimber operator | Equivalent |
| FWPSS00012 Skill set for a crawler/dozer operator | FPISS00012 Skill set for a crawler/dozer operator | Equivalent |
| FWPSS00013 Skill set for a feller buncher operator | FPISS00013 Skill set for a feller buncher operator | Equivalent |
| FWPSS00014 Skill set for a forwarder operator | FPISS00014 Skill set for a forwarder operator | Equivalent |
| FWPSS00015 Skill set for a heavy production mobile chipper operator | FPISS00015 Skill set for a heavy production mobile chipper operator | Equivalent |
| FWPSS00016 Skill set for a loader operator | FPISS00016 Skill set for a loader operator | Equivalent |
| FWPSS00017 Skill set for a mechanical processor operator | FPISS00017 Skill set for a mechanical processor operator | Equivalent |
| FWPSS00018 Skill set for a native forest operator | FPISS00018 Skill set for a native forest operator | Equivalent |
| FWPSS00019 Skill set for a plantation forest operator | FPISS00019 Skill set for a plantation forest operator | Equivalent |
| FWPSS00020 Skill set for a single grip harvester operator | FPISS00020 Skill set for a single grip harvester operator | Equivalent |
| FWPSS00021 Skill set for a skidder operator | FPISS00021 Skill set for a skidder operator | Equivalent |
| FWPSS00022 Skill set for an excavator operator | FPISS00022 Skill set for an excavator operator | Equivalent |
| FWPSS00023 Skill set for fire salvage operations | FPISS00023 Skill set for fire salvage operations | Equivalent |
| FWPSS00024 Skill set for off road four wheel drive operations | FPISS00024 Skill set for off road four wheel drive operations | Equivalent |
| FWPSS00025 Skill set for soil and water protection (roading) | FPISS00025 Skill set for soil and water protection (roading) | Equivalent |
| FWPSS00026 Skill set for carbon accounting | FPISS00026 Skill set for carbon accounting | Equivalent |
| FWPSS00027 Skill set for a forestry log truck driver | FPISS00027 Skill set for a forestry log truck driver | Equivalent |
| FWPSS00028 Skill set for a forestry produce truck driver | FPISS00028 Skill set for a forestry produce truck driver | Equivalent |
| FWPSS00029 Skill set for a finger jointing plant operator | FPISS00029 Skill set for a finger jointing plant operator | Equivalent |
| FWPSS00030 Skill set for a finger jointing moulder operator | FPISS00030 Skill set for a finger jointing moulder operator | Equivalent |
| FWPSS00031 Skill set for a finger jointing grader operator | FPISS00031 Skill set for a finger jointing grader operator | Equivalent |
| FWPSS00032 Skill set for a finger jointing quality control tester | FPISS00032 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 2.0)** | **Code and title**  **(FWP Version 1.0)** | **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 forest practices | FWPCOT5201 Implement sustainable forestry 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 | FWPCOT6204 Use carbon accounting to estimate emissions in the workplace | Equivalent |
| FWPCOT6205 Prepare an enterprise carbon management report | FWPCOT6205 Prepare an enterprise carbon management report | Equivalent |
| FWPCOT6207 Develop forest management systems and processes | FWPCOT6207 Develop forest management systems and processes | Equivalent |
| FWPCOT6208 Manage innovative thinking and practice in the forest and wood products industry | FWPCOT6208 Manage innovative thinking and practice in the forest and wood products industry | Equivalent |
| FWPCOT6209 Manage forest and wood products industry research | FWPCOT6209 Manage forest and wood products industry research | Equivalent |
| FWPCOT8101 Lead forest and wood products industry innovative thinking and practice | FWPCOT8101 Lead forest and wood products industry innovative thinking and practice | Equivalent |
| FWPCOT8102 Initiate and lead a forest and wood products industry innovation | FWPCOT8102 Initiate and lead a forest and wood products industry innovation | Equivalent |
| FWPFGM5217 Promote plantations as a sustainable form of land use | FWPFGM5217 Promote plantations as a sustainable form of land use | Equivalent |
| FWPFGM5219 Undertake carbon stock sampling of forests and plantations | FWPFGM5219 Undertake carbon stock sampling of forests and plantations | Equivalent |
| FWPFGM6201 Plan a bio-char storage system for carbon capture and storage | FWPFGM6201 Plan a bio-char storage system for carbon capture and storage | Equivalent |
| FWPFGM6203 Manage sustainable tree inventory | FWPFGM6203 Manage sustainable tree inventory | Equivalent |

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

1. The *Standards for Training Packages 2012*, and accompanying policies, are available from the Australian Department of Education and Training website <https://www.education.gov.au/training-packages>. [↑](#footnote-ref-2)
2. More information about key stakeholder roles is available on the AISC website < https://www.aisc.net.au>. [↑](#footnote-ref-3)
3. The training package development and endorsement process policy can be downloaded from the Department of Education and Training website <https://docs.education.gov.au/node/43181> [↑](#footnote-ref-4)
4. See: https://docs.education.gov.au/node/43181 [↑](#footnote-ref-5)
5. 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/> [↑](#footnote-ref-6)
6. 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. [↑](#footnote-ref-7)
7. 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. [↑](#footnote-ref-8)
8. 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: [↑](#footnote-ref-9)
9. Information sourced from Australian Government, ASQA, *Users’ Guide to the Standards for RTOs 2015*, <<https://www.asqa.gov.au/standards/about-standards-rtos-2015/standard-one/clauses-1.1-1.4>> viewed June 2017: [↑](#footnote-ref-10)
10. The *Disability Standards for Education, 2005* and accompanying guidance notes can be downloaded at <<http://education.gov.au/disability-standards-education>>. [↑](#footnote-ref-11)
11. Fair Work Ombudsman: < <http://www.fairwork.gov.au/how-we-will-help/templates-and-guides/fact-sheets/unpaid-work>)> [↑](#footnote-ref-12)