



Case for endorsement FWP Forest and Wood Products Training Package Version 6.0

**Submitted by Skills Impact
on behalf of the Forest Management and Harvesting
and Timber Building Solutions
Industry Reference Committees**

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A. Administrative details

This section provides an overview of the relevant organisations, the case for change and training package components for endorsement.

Organisational details

This submission is made by the following Industry Reference Committees (IRCs):

- Forest Management and Harvesting
- Timber Building Solutions

Skills Impact Ltd is the Skills Service Organisation (SSO) supporting this submission.

Component details

The Case for Endorsement comprises four (4) revised qualifications, six (6) new units of competency fifty-six (56) revised units of competency and their associated assessment requirements for endorsement as part of *the FWP Forest and Wood Products Training Package Version 6.0*. The Case for Endorsement also includes five (5) new skill sets and minor updates to one (1) skill set and thirteen (13) qualifications as non-endorsed components.

The project produced the following components.

Project Name	Endorsable components
New Timber Harvesting Technologies	5 new units of competency 24 revised units of competency
Timber Truss and Frame Estimating and Design	3 revised qualifications 1 new unit of competency 25 revised units of competency
Timber Merchandising	1 revised qualification 7 revised units of competency

Project Name	Components for deletion
All projects	5 qualifications 2 units of competency

Project Name	Non-endorsable components
Timber Truss and Frame Estimating and Design	5 new skill sets

Note:

- Eight (8) existing units of competency were combined and resulted in four (4) units as part of the Timber Frame and Truss Estimating and Design Project
- One (1) existing unit of competency was incorporated into, and hence superseded by, 2 existing units of competency as part of the Timber Frame and Truss Estimating and Design Project
- One (1) existing unit of competency was separated into and superseded by two (2) units as part of the New Timber Harvesting Technology Project
- Five (5) qualifications and two (2) units of competency have been identified for deletion.

A full list of components proposed for endorsement appears in **Appendix 1: Components for Endorsement**. Qualifications reviewed as minor updates appear in **Appendix 2: Minor updates**.

Case for Change details

The Case for Endorsement addresses two Cases for Change (Reference numbers: Skills Impact/TPD/2018-19/003 and Skills Impact/TPD/2018-19/006) submitted on behalf of the Forest Management and Harvesting and Timber Building Solutions Industry Reference Committees and approved on 26 March 2019. The requirements set by the Australian Industry and Skills Committee (AISC) in relation to the training package development work are:

- **New Timber Harvesting Technologies:** Review 31 units of competency from 4 FWP qualifications broken down as follows
 - Certificate II and III in Forest Growing and Management (15 units of competency)
 - Certificate II and III in Harvesting and Haulage (16 units of competency)
- **Timber Truss and Frame Estimating and Design:** Update three qualifications and 39 units of competency and develop 2 new skill sets
- **Timber Merchandising:** Review 2 qualifications and 8 units of competency.

Change of Scope details

1. Eleven (11) units of competency originally included in the Case for Change have been deferred for review in future projects on the following basis:

Project Name	Deferred Components	Reason	Future project
New Timber Harvesting Technologies	<i>FWPCOR2204 Follow fire prevention procedures</i> <i>FWPCOR3203 Evaluate fire potential and prevention</i>	As these units of competency are core units in five FWP qualifications, it was considered that they needed broader consideration and industry consultation than could be achieved within the New Harvesting Technologies Project.	Priority project from the 2020 Annual Update to the Skills Forecast - <i>Review Qualifications to Attract New Entrants</i> .
Timber Truss and Frame Estimating and Design	<i>FWPCOR2201 Work effectively in the forest and forest products industry</i> <i>FWPCOR2203 Follow environmental care procedures</i> <i>FWPCOT3263 Maintain and contribute to energy efficiency</i>	These units of competency were considered not to be relevant to the job roles and qualifications covered by the Timber Truss and Frame Estimating and Design Project. They are core units in other FWP qualifications and will need broader consideration and industry consultation before changes can be made to the units.	As above
Timber Truss and Frame Estimating and Design	<i>FWPCOR2202 Communicate and interact effectively in the workplace</i> <i>FWPCOR3202 Conduct quality and product care procedures</i>	These units of competency are core units in multiple FWP qualifications and require broader consultation beyond the timber frame and truss industry.	As above

Project Name	Deferred Components	Reason	Future project
Timber Truss and Frame Estimating and Design	<i>FWPCOR2207 Maintain quality and product care</i> <i>FWPCOR3204 Visually assess materials</i> <i>FWPCOR4201 Monitor safety, health and environmental policies and procedures</i> <i>FWPCO4203 Monitor quality and product care procedures</i>	These units of competency were considered not to be relevant to the job roles and qualifications covered by the Timber Truss and Frame Estimating and Design Project. They are core units in other FWP qualifications and will need broader consideration and industry consultation before changes can be made to the units.	Priority project from the 2020 Annual Update to Skills Forecast - <i>Review Qualifications to Attract New Entrants and Review of High-Level Jobs in Forestry</i>

2. One unit which was not originally included in the Case for Change was reviewed on the following basis:

Project Name	Deferred Components	Reason
New Timber Harvesting Technologies	<i>FWPHAR3231 Operate yarder</i>	Industry stakeholders indicated the need to review and update this unit as it is part of a set of four units which cover cable logging operations, and this area was within the project scope.

B. Description of work and request for approval

The section describes the work undertaken and the decision being sought from the AISC. The components submitted for endorsement have been reviewed as part of the following projects:

1. New Timber Harvesting Technologies
2. Timber Truss and Frame Estimating and Design
3. Timber Merchandising

Work undertaken and why

1. New Timber Harvesting Technologies

Technology has always been a key driver of change in the forest industry. The use of mobile technologies, drones and remote sensing methods is making work quicker and less expensive, capable of mapping and evaluating forest from the skies. Meanwhile, new optimisation equipment is maximising the output of timber while also making it possible to track yield in real time. In-field wood chipping is now more advanced, making it possible to perform debarking and chipping on the same site as timber is harvested with reduced costs and increased efficiency. Techniques for cable logging and winch-assisted harvesting on steep slopes are another area where gains are being made, improving harvesting outcomes in a challenging environment.

These new practices mean forestry workers require more advanced skills to program and operate such equipment and interpret the data they produce.

Even with these new technologies and advances in harvesting operations, there remains a need to conduct manual felling and chainsaw operations. Units of competency need to accurately reflect these high-risk activities. Several industry programs rely on these skills standards to provide the benchmark for performance in these areas.

Skill Description:

Specifically, the project has covered the following skills areas that support recent industry developments and its future activity:

- Chainsaw operation for tree felling and other professional tree services
- Environmental care operations undertaken by forestry workers
- Cable logging and tethered harvesting systems
- In-field wood-chipping operations
- Digital, geospatial and harvesting optimisation technologies used in forest operations
- Transport of logs.

Driver for this project:

New technology, such as digital maps and forest operation plans, and new harvesting systems are supporting the industry to be more productive, environmentally sustainable and safer. As a result, many job roles require higher levels of technical and digital skills than before. It is important these developments are reflected in nationally endorsed qualifications and skills standards to ensure industry can keep up with high demand for timber, a competitive market, and industry requirements.

Work undertaken:

On behalf of the Forest Management and Harvesting IRC, Skills Impact has undertaken the following work on the FWP Forest and Wood Products Training Package, with support from a group of Subject Matter Experts and broader industry feedback.

- Developed five (5) new units of competency to support skills development in digital technology, winch-assisted harvesting, mechanised forestry site preparation on steep slopes, and safe use of a chainsaw within trees. These new units are:
 - *FWPCOT3317 Use chainsaw within a tree*
 - *FWPCOT3318 Access, capture and communicate forestry field data using mobile devices*
 - *FWPCOT3319 Read and interpret digital maps and forest operation plans*
 - *FWPHAR3232 Operate harvesting machine with winch-assist system*

- *FWPHAR3233 Use mechanised equipment for forestry site preparation on steep slopes.*
- Revised and improved twenty-four (24) units of competency to support skills development in cable logging, environmental care (forestry operations), transport of logs, tree felling /chainsaw operations, and wood chipping.
- Ascertained the need for deleting or retaining four (4) units of competency with records of no or very low level of enrolments. As a result,
 - One (1) unit of competency, *FWPFGM2210 Implement animal pest control procedures*, is proposed to be deleted and replaced with a unit of similar content and outcomes from other training packages to reduce duplication across training packages. This unit is *AHCPMG309 Apply pest animal control techniques*.
 - Three (3) units of competency were recommended by industry stakeholders to be retained in the *FWP Forest and Wood Products Training Package*. The feedback received suggests a potential need for these units in the bushfire context or, one unit, in the specialised Sandalwood industry in Western Australia.

Feedback from industry has also helped to identify:

- A range of skills gaps in the *FWP40116 Certificate IV in Forest Operations* in relation to digital technology involving:
 - Development of digital forest operational maps
 - Development of cutting instructions files for forestry harvesters
 - Management and analysis of harvesting optimisation data
 - Collection of forestry data using unmanned aerial vehicle (UAV).

While these skill areas were within the project scope, the identified skill gaps are linked to higher-level job roles and qualifications than the approved project deliverables. They are proposed to be pursued in a future project from the 2020 Annual Update to the Skills Forecast.

- The need for rationalisation of three overarching environmental care units for forestry operations, noting that two of these units are core units in the Certificate II and III qualifications for the forest management and harvesting job roles. This work is proposed for inclusion in a future project from the 2020 Annual Update to the Skills Forecast.

2. Timber Truss and Frame Estimating and Design

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

The industry consists of approximately 300 frame and truss manufacturing businesses and 3 industry suppliers of engineering software. Most businesses are small and medium-sized, with a few large businesses. Manufacturing plants are based and operate in areas with a high concentration of residential construction activity predominantly in NSW, VIC and QLD.

Skill Description:

Specifically, the project has covered the job roles from two functional areas available in the frame and truss manufacturing industry, that is design and manufacture, and all their associated skills and qualifications. These job roles are:

- Timber systems estimators and timber systems detailers
- Timber systems fabricators.

It should be noted that the manufacturing job roles were not a priority area in the 2018-19 IRC Skills Forecast, yet they needed to be reviewed as part of this project because of the current configuration of the qualifications.

Driver for this project:

The continued shortage of timber systems designers in Australia and the need for these jobs locally, on the business premises, was the main driver for this project.

The demand for timber systems designers was projected to grow over the next five years due to a continued increase in housing construction (Australian Construction Insights). However, this demand is presently being met offshore. Employers argued that there are advantages to training and employing local designers and estimators. When it comes to making sure codes are being met and communication is running smoothly, nothing compares to having eyes in the factory floor and on the building site.

Industry also reported issues related to the current qualifications for the timber frame and truss design and manufacture including:

- Inconsistencies with the current skills requirements and job roles
- Entry requirements which present barriers to training.

It was believed that updated qualifications will be able to strengthen the career pathways and facilitate training to new workers in the profession of timber building systems design.

Work undertaken:

On behalf of the Timber Building Solutions IRC, Skills Impact has undertaken significant work to analyse the jobs of timber building systems estimators, detailers and fabricators and redeveloped the national skills standards based on this information with support from a group of Subject Matter Experts and broader industry feedback. The following work was undertaken:

- Developed the *FWP31020 Certificate III in Timber Systems Design* and the *FWP30920 Certificate III in Timber Frame or Truss Manufacture* to replace the current *FWP30916 Certificate III in Timber Truss and Frame Design and Manufacture*. These two qualifications cover the skills and learning outcomes of the two distinct jobs that are designers (estimators) and fabricators.
- Revised and improved the *FWP40416 Certificate IV in Timber Systems Design* which is now *FWP40420 Certificate IV in Timber Systems Design*

Key issues explored in the revision of the Certificate IV with industry and RTO stakeholders included reasons for the low enrolment and completion historical data in this qualification with entry requirements identified as a barrier to entry. The improvements have sought to enable a career pathway from the Certificate III in Timber Systems Design for junior designers/estimators, or direct entry for more senior designers/detailers.

- Developed five (5) new skill sets to support fabricators who wish to develop technical skills related to a job function as opposed to a complete end-to-end manufacturing process. Each skill set is a subset of, and will provide credits toward, the revised *FWP30920 Certificate III in Timber Frame or Truss Manufacture*. These skill sets are:
 - *FWPSS00041 Cutting Timber to Length and Angle Skill Set*
 - *FWPSS00042 Timber Wall Frame Manufacture Skill Set*
 - *FWPSS00043 Timber Roof Truss Manufacture Skill Set*
 - *FWPSS00044 Timber Floor Truss Manufacture Skill Set*
 - *FWPSS00045 Stacking and Storing Timber Frames and Trusses Skill Set*
- Developed one (1) new unit of competency for skills to work effectively as a timber systems designer with a broad range of individuals and teams, and to develop a sound understanding of the processes of timber systems design. This new unit is:
 - *FWPTMM3215 Work effectively in the timber systems design industry*
- Revised and improved twenty-three (23) units of competency which resulted in eighteen (18) units of competency
 - Eight (8) existing units of competency were combined and resulted in four (4) units as part of the Timber Frame and Truss Estimating and Design Project

- One (1) existing unit of competency was incorporated into, and hence superseded by, 2 existing units of competency as part of the Timber Frame and Truss Estimating and Design Project
- Identified two (2) elective units of competency, not included in the project for review, as not relevant to the revised Certificate III qualifications for truss and frame design or manufacture which have been added as minor changes to other FWP qualifications. These units are:
 - *FWPTMM3208 Apply critical workplace processes in the manufacture of prefabricated timber building systems*
 - *FWPTMM3209 Install prefabricated timber building systems on-site*
- Proposed four (4) current qualifications for deletion because of low demand for training and availability of alternative qualifications. These qualifications removed from the *FWP Forest and Wood Products Training Package* are:
 - *FWP20716 Certificate II in Timber Truss and Frame Design and Manufacture*
 - *FWP40316 Certificate IV in Timber Truss and Frame Manufacture*
 - *FWP50316 Diploma of Timber Truss and Frame Design*
 - *FWP50216 Diploma of Timber Truss and Frame Manufacture*
- Identified two (2) units of competency in the qualifications proposed for deletion to be not specifically relevant to the truss and frame design and manufacture job roles of the revised qualifications and added as elective units to other FWP qualifications in minor changes:
 - *FWPTMM5209 Determine prefabricated timber building systems designs for compliance, manufacture and installation*
 - *FWPTMM5210 Verify compliance and conformance of prefabricated timber building systems during manufacture*

3. Timber Merchandising

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

The industry is mainly represented in the States with high commercial activity including, NSW, VIC and QLD. In the other States and Territories, there is only a very small number of timber supply organisations, most often being small or non-employing businesses.

Skill Description:

The project has covered job roles in timber sales from three functional areas, namely warehousing, sales and purchasing.

Depending on the job area, people require to be skilled in the following areas:

- Product storage
- Packaging and dispatch / loading and unloading / transport
- Customer order
- Inventory / stock control
- Customer relationship
- Purchasing
- Sales account management

Driver for this project:

Some skills required for timber supply businesses overlap significantly with other retail operations. As such, several units of competency in the core of timber merchandising qualifications were imported from other areas. Some of these units have been recently deleted or superseded with units that do not apply to timber supply, creating a significant challenge in providing training in this area.

Industry also identified the consequences of changing work functions on job roles and skills requirements due to an ever-changing range of products and operating environment.

Work undertaken:

On behalf of the Timber Building Solutions IRC, Skills Impact has undertaken significant work to engage with industry stakeholders, discuss training approaches within the industry and analyse the jobs within the timber supply industry.

Feedback from some industry stakeholders was that their organisations did not often use timber merchandising qualifications. These businesses tend to recruit people who have previous experience or expertise in timber and building products, such as experienced tradespersons. Once employed, these people are provided with a mix of on the job and vendor training to keep them abreast of new products and services. Other employees are trained in-house in the company skills and values or tailored training solutions. National qualifications are mainly used when a forklift or other industrial licence is required. Employee recruitment, retention or promotion is often based on personal attributes and not on national qualifications.

One business also mentioned the lack of choice of training organisations available to deliver the timber merchandising qualifications as another reason for not using the timber merchandising qualifications. Currently there are only two RTOs who have the qualifications on scope.

Consultations also showed that timber sales operations have evolved significantly over the last few years, and these significant changes include:

- Timber trade sales and the imports of a wide range of engineered wood products is a growing sector due to the ongoing construction of residential and commercial buildings and the sustainable benefits of timber in these developments.
- With the growing sales of timber to building construction businesses and trade customers, most hardware stores have transitioned a large proportion of their retail operations to the timber trade. These stores have adopted a business-to-business model and a 'whole of house' concept.
- Sourcing timber and timber building systems from international markets has placed a greater emphasis on the verification of product compliance with the Australian Illegal Logging Prohibition Act 2012, certification systems, legality verification systems and the Australian Standards for the engineering and design of timber building systems.
- To support the growing complexity of this sector, the IT systems that are available to timber sales operations have also increased in sophistication.

As a result, industry stakeholders indicated that the title and configuration of the current qualifications are no longer adequate for skilling their employees.

Consequently, the project has undertaken the following work on the timber merchandising qualifications and units of competency, with support from a group of Subject Matter Experts and broader industry feedback:

- Revised and improved the *FWP30616 Certificate III in Timber Merchandising* which becomes *FWP30620 Certificate III in Timber Building Products Supply*. This qualification has been developed to support industry jobs and evolving skills requirements, particularly in relation to the growing sales of timber to building construction businesses and trade customers. It has also been designed to enable specialisations in the following three job areas: warehousing, logistics and customer sales.
- Deleted the *FWP20616 Certificate II in Timber Merchandising* from the *FWP forest and Wood Products Training Package* due to insufficient demand for training from employers and other users
- Revised and improved five (5) units of competency which are included as elective units in the revised the *FWP30620 Certificate III in Timber Building Products Supply*
- Proposed one unit of competency for deletion due to low enrolments and feedback from industry stakeholders suggesting no need for this unit in the revised *FWP30620 Certificate III in Timber Building Products Supply*. This unit is listed below, and no other qualification contains this unit.

- *FWPCOT3251 Promote the carbon benefits of wood products*

During the initial consultations, one industry stakeholder also suggested the need for a potential new Certificate IV qualification in timber supply. However, subsequent consultations saw no confirmation from industry stakeholders for the development of a Certificate IV, suggesting they are not prepared to support it with enrolments. One training organisation also indicated that it had been 15 years since a Certificate IV qualification was last delivered for someone in a timber sales role. Advice from the training organisations also indicated that those who are interested in Certificate IV are looking for leadership and management skills which can be achieved by enrolling in existing leadership and management qualifications.

Packaging of the new units within qualifications

Following industry consultation, the six (6) new units of competency will be packaged in the forest management and harvesting and haulage and truss and frame qualifications as shown below.

New unit code and name	Qualifications			
	<i>FWP30116 Certificate III in Forest Growing and Management</i>	<i>FWP30216 Certificate III in Harvesting and Haulage</i>	<i>FWP31020 Certificate III in Timber Systems Design</i>	<i>FWP40420 Certificate IV in Timber Systems Design</i>
<i>FWPCOT3317 Use chainsaw within a tree</i>	Elective	Not applicable	Not applicable	Not applicable
<i>FWPCOT3318 Access, capture and communicate forestry field data using mobile devices</i>	Elective	Elective	Not applicable	Not applicable
<i>FWPCOT3319 Read and interpret digital maps and forest operation plans</i>	Elective	Elective	Not applicable	Not applicable
<i>FWPHAR3232 Operate harvesting machine with winch-assist system</i>	Not applicable	Elective	Not applicable	Not applicable
<i>FWPHAR3233 Use mechanised equipment for forestry site preparation on steep slopes</i>	Not applicable	Elective	Not applicable	Not applicable
<i>FWPTMM3215 Work effectively in the timber systems design industry</i>	Not applicable	Not applicable	Core	Core

Sub-project for reviewing 10 units of competency

Ten (10) units of competency included on the scope of present projects were not initially reviewed because stakeholders considered they were not relevant to the revised qualifications

These units are elective units of competency in multiple Forest and Wood Product qualifications and have instead been reviewed as a subproject involving cross-industry consultation with all relevant stakeholders from the timber manufactured products, sawmilling and processing industry sectors.

Broader consultation with industry sectors outside of the original project scope was adopted to ensure that the units are amended to the satisfaction of relevant stakeholders and do not need to be reviewed again in the near term.

This work resulted in:

- Ten (10) units of competency being reviewed and improved. These units are:
- Timber Merchandising project
 - *FWPCOT2258 Assemble products*
 - *FWPCOT2259 Cut material with a hand-held chainsaw*
 - *FWPWPP2213 Cut panels*
- Timber Truss and Frame Estimating and Design project
 - *FWPCOT2260 Tally material*
 - *FWPCOT2261 Process orders and prepare for despatch*
 - *FWPCOT2262 Cut material to shape using a saw*
 - *FWPCOT3320 Build and maintain timber stacks*
 - *FWPCOT4211 Monitor stock control procedures*
 - *FWPSAW2212 Assemble materials using nail plates*
 - *FWPTMM4212 Calculate production costs*

Units of competency deferred for review

Two (2) units of competency from the New Timber Harvesting Technologies have been deferred for review because they were core units in various forest management and harvesting qualifications. These units are listed below, and they are proposed to be reviewed as part of a priority project from the 2020 Annual Update to Skills Forecast, namely *Review Qualifications to Attract New Entrants*.

- *FWPCOR2204 Follow fire prevention procedures*
- *FWPCOR3203 Evaluate fire potential and prevention*

Nine (9) units of competency from the Timber Truss and Frame Estimating and Design project have also been deferred for review because stakeholders considered they were not relevant to, and thus not included in, the updated qualifications and they are core units in multiple Forest and Wood Product training products.

These units are listed below, and they are proposed to be reviewed as part of the 2020 Annual Update to Skills Forecast priority projects in the future.

- *FWPCOR2201 Work effectively in the forest and forest products industry*
- *FWPCOR2202 Communicate and interact effectively in the workplace*
- *FWPCOR2203 Follow environmental care procedures*
- *FWPCOR2207 Maintain quality and product care*
- *FWPCOR3202 Conduct quality and product care procedures*
- *FWPCOR3204 Visually assess materials*
- *FWPCOR4201 Monitor safety, health and environment policies and procedures*
- *FWPCOR4203 Monitor quality and product care procedures*
- *FWPCOT3263 Maintain and contribute to energy efficiency*

Non-endorsable minor updates

The following components from the *FWP forest and Wood products Training Package* have undergone IRC minor updates as part of these projects:

- Two (2) qualifications at the AQF level 3 for including new units of competency as electives. These qualifications are:
 - *FWP30116 Certificate III in Forest Growing and Management*
 - *FWP30216 Certificate III in Harvesting and Haulage*
- Three (3) qualifications at the AQF level 2 and 3 for importing the unit TLID1001 Shift materials safely using manual handling methods as elective. Stakeholders reported that the existing imported unit for manual handling, MEM11011 Undertake manual handling, does not suit timber processing due to its Range Conditions and prerequisite units. The TLID1001 unit is much more suited to timber applications also because it requires estimates of weight and balance points.
 - *FWP20316 Certificate II in Sawmilling and Processing*
 - *FWP20416 Certificate II in Wood Panel Products*
 - *FWP30316 Certificate III in Sawmilling and Processing*

- Eleven (11) additional qualifications at AQF levels 1 to 4 for updating units of competency revised as part of these projects, replacing superseded imported units and removing deleted native and imported units. These qualifications are:
 - *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*
 - *FWP30316 Certificate III in Sawmilling and Processing*
 - *FWP30516 Certificate III in Timber Manufactured Products*
 - *FWP31019 Certificate III in Saw Technology*
 - *FWP31119 Certificate III in Wood Machining*
 - *FWP40116 Certificate IV in Forest Operations*
 - *FWP40216 Certificate IV in Timber Processing*
- One (1) skill set for updating units of competency revised as part of these projects replacing superseded imported units and removing deleted native and imported units. These skill sets are:
 - *FWPSS00030 Skill set for a finger jointing grader operator*
- One (1) unit of competency for clarifying a statement in the Application section. This unit is:
 - *FWPCOT3278 Sharpen cutters in head using a straight knife grinder*

Please refer to **Appendix 3: Non-endorsable components** for a list of all qualifications and skill sets with minor updates.

Decision being sought

This submission puts forward the Case for Endorsement for the proposed components of the *FWP Forest and Wood Products Training Package Version 6.0*.

The draft components submitted for endorsement by the AISC are:

- 4 revised qualifications
- 6 new units of competency
- 56 revised units of competency
- 5 qualifications for deletion
- 2 units of competency for deletion
- 5 new skill sets (non-endorsable).

The proposed Training Package components are listed in **Appendix 1: Components for Endorsement**.

C. Evidence of Industry support

This section provides evidence that the *FWP Forest and Wood Products Version 6.0 Training Package* is supported by industry.

Support by IRC(s)

The *Forest Management and Harvesting* and the *Timber Building Solutions* IRCs are responsible for the FWP Forest and Wood Products Training Package. IRC members supported the Technical Advisory Committees' recommendations to put forward the proposed training package products to the AISC for endorsement. Please refer to **Section I. IRC support** for written evidence of support.

Consultation with stakeholders

During development of the training package products, the following communication strategies were used for consultation with stakeholders:

- industry site visits
- establishment of project pages on the Skills Impact website at the start of the projects with information about the projects, together with progress updates. The project page remained on the website throughout the project. Visitors were invited to register their interest so that they received email alerts about the particular project of interest, for example, public consultation workshops, and opportunities to provide feedback on draft materials. Links to the project pages are provided below:
 - <https://www.skillsimpact.com.au/timber-building-solutions/training-package-projects/timber-truss-frame-estimating-design-project/>
 - <https://www.skillsimpact.com.au/forest-management-and-harvesting/training-package-projects/new-timber-harvesting-technologies/>
 - <https://www.skillsimpact.com.au/timber-building-solutions/training-package-projects/timber-merchandising-project/>
- draft materials hosted on the Skills Impact website on two separate occasions for each project for consultation on initial draft components and subsequent validation of the revised components. Stakeholders were able to provide feedback via a feedback hub, online questionnaires, emails or telephone calls
- industry association newsletters, publications and direct communication to memberships
- direct emails to key industry stakeholders and training providers registered to deliver training products being reviewed
- meetings - face-to-face, video/teleconferences with key industry stakeholders and Technical Advisory Committee members
- IRC member communications with their industry networks
- emails and newsletters to state and territory training authorities (STAs/TTAs), vet regulators and other stakeholders.

Please refer to **Appendix 2: Industry support** for a list of activities conducted, organisations and individuals consulted for each of the above projects and letters of support from project participants.

State/Territory and key stakeholder engagement

Consultations were conducted for industry stakeholders throughout Australia to gain industry feedback on all aspects of the qualifications, skill sets and units of competency, including the components proposed for deletion.

A wide range of stakeholders have been engaged across Australia and from all states and territories. Stakeholders have included national and state-based industry associations, government departments,

enterprises, key training providers and a range of individuals who are considered to be subject matter experts.

Please refer to **Appendix 2: Industry support** for a list of activities conducted, together with organisations and individuals consulted

Alternative approaches

As identified in the revision of the timber fabrication qualifications, job roles of designers and manufactures are distinct resulting in the separation of the roles into two distinct Certificate III qualifications.

In relation to manufacturing, industry strongly supported the development of task specific skill sets as for some industry participants the commitment to a full qualification initially could be daunting and/or regarded as overskilling by employers. Training organisations advocated the requirement for a qualification in manufacture which could be considered for funding in all jurisdictions. The resulting *FWP30920 Certificate III in Frame or Truss Manufacture* was designed to provide a pathway from one or more of the individual skill sets if required in individual enterprises and for career progression.

Alongside industry enterprises, these RTOs have been actively involved in the development and review of the qualifications and units of competency covered by these projects.

Reports by exception

There are no reports by exception.

Dissenting View

The following dissenting view was received from the Victorian STA.

We accept that newly developed units of competency being added as elective units of competency to qualifications will proceed as a minor change.

Our underlying interpretation of Clause 6 Categories of Change within the TPDEPP remains and is based on the clear statement relating to adding existing units of competency, rather than new units, to electives being a minor change. Adding newly developed units is not the same. Progressing this work as a minor change does not make it clear that the new units have been approved by the AISC and will be endorsed by Ministers within a qualification (6.2 minor changes... are not subject to the full development and endorsement process).

Our view is that progressing these new units without a change to the qualification code renders them orphan and does not provide the opportunity to the AISC to approve industry's decision via a revised qualification.

When there is no code change to qualifications housing newly developed units there is no TGA trigger to advise RTOs of new or changed products that will benefit employers and learners. The impact is that RTOs will not be advised that new units of competency, developed by industry to address an emerging skill or task required by industry, are available. With this in mind and in terms of supporting the good work undertaken by Skills Impact and the IRC, how will RTOs be alerted that new products are available for delivery? Will this be solely via a minor change notice on TGA later or will Skills Impact be handling this via a communication strategy to industry, employers and RTOs?

The VIC STA is concerned about the constant churn and change in the system (via frequent endorsement processes) that we are and have been experiencing. It impacts this STA, RTOs and learners but has to be balanced with ensuring products are endorsed and alerting end-users to the new or revised products. I believe that recoding the qualification would have been a good way to do this.

Skills Impacts response – As part of the development process Skills Impact contacts all RTOs that have the qualifications on scope so that they are aware that there may be changes made to the qualification in the coming year. Plus, training.gov.au (tga) sends out alerts to all RTOs that there have been changes made to components whether it is a minor or major release and it is the

responsibility of the RTO to review the updated components and make any necessary changes to their materials.

RTOs, industry, employers and employees that are signed up to Skills Impacts monthly newsletters are kept informed of the progress of projects and the changes being made and once the projects have been endorsed and released onto tga a further communication goes out to these groups so that they are aware that the updated/new components are now available. Emails are also sent to the respective IRCs and subject matter experts that were involved in the projects so that they can inform their networks that the projects have now gone live on tga. Skills impact does share some of the concerns that have been raised by VIC STA but believe changing the code of a qualification has other impacts to RTOs in terms of time and cost to update their materials when the changes have been deemed only minor as detailed within the TPDEPP.

D. Industry expectations about training delivery

This section explains the advice provided in the Companion Volume Implementation Guide for the *Forest and Wood Products Training Package Version 6.0* together with recommendations for delivery of qualifications as traineeships/apprenticeships.

Companion Volume Implementation Guide

The companion volume details information that covers key industry expectations about:

- qualifications suitable for vocational education and training delivered to secondary students
- qualifications suitable for delivery as apprenticeships or traineeships
- amount of training/volume of learning requirements to ensure that the individual can gain the necessary skills and knowledge
- key legislative requirements
- essential knowledge requirements.

Delivery as apprenticeship/traineeship

The *Forest Management and Harvesting* and *Timber Building Solutions* IRCs recommend that each qualification listed in the following table could be the basis for a traineeship or apprenticeship.

Qualification	Delivery recommendation
<i>FWP30620 Certificate III in Timber Building Products Supply</i>	Traineeship
<i>FWP30920 Certificate III in Timber Frame or Truss Manufacture</i>	Traineeship
<i>FWP31020 Certificate III in Timber Systems Design</i>	Traineeship
<i>FWP40420 Certificate IV in Timber Systems Design</i>	Traineeship

E. Implementation of the training package components

This section explains how the training package meet occupational and/or licensing requirements and identifies particular implementation issues and strategies to manage these issues.

How training package components meet occupation and licensing requirements

There are no occupational licensing requirements that apply to the updated qualifications or units of competency that are being submitted for endorsement.

Implementation issues and management strategies

Five (5) qualifications and two (2) units of competency have been proposed for deletion.

Historical data shows enrolments and completions in three of the timber truss and frame qualifications to be minimal over the last four years, with a total of only fourteen (14) enrolments and three (3) completions in 2018. There were no enrolments in the Certificate II qualifications.

Only one industry stakeholder viewed the deletion of the diploma qualifications in timber truss and frame negatively and further industry consultation confirmed the availability of existing qualifications both in the FWP training package and business and management qualifications as being more suitable for job roles at higher levels. Two (2) existing units of competency impacted by the proposed deletions have been added as electives to existing FWP qualifications as minor changes.

Enrolment data was also considered in the consultations seeking advice on the deletion of the *FWP20616 Certificate II in Timber Merchandising*. There were one hundred and eighteen (118) enrolments in this qualification in 2018, all recorded in Victoria. Further consultations with the training organisations confirmed that this Certificate II qualification has been used only in Victoria as a vehicle for accessing one unit, *FWPCOT2241 Apply wood and timber product knowledge*. As this unit has been revised and added to the revised Certificate III qualification it has been agreed that its delivery will only require an adjustment from the training organisation.

The use of prerequisite units in the tree felling units (basic, intermediate and advanced) emerged as a key issue during the consultations on this set of draft units as part of the New Harvesting Technologies project. A small number of stakeholders proposed the introduction of prerequisite units to tree felling training due to safety concerns, particularly in relation to the skill level that increases in complexity of felling trees with a chainsaw from basic to intermediate and advanced, and potential RTO liability in the unfortunate event of accidents during the training. However, other industry participants saw the use of prerequisites as a barrier to entry for experienced chainsaw users and argued that there should be no prerequisites.

Training providers also advised that course and unit entry requirements, including evidence of pre-existing training or experience, have always been used through RTO's internal policies before enrolling candidates in a tree felling unit.

The discussions also questioned the correct use of prerequisites in this case, as the prerequisite for each tree felling unit (basic, intermediate and advanced) would become its precursor unit and, there is no evidence that subsequent competency cannot be achieved without first gaining particular knowledge and skills from the precursor or another unit(s).

In the absence of specific regulations or a prerequisite justification, no prerequisites have been applied to these units. This means training providers should continue to apply their practices to address entry on the basis of existing training or experience to ensure safety.

For the new unit, *FWPCOT3317 Use chainsaw within a tree*, additional context was provided in the Application section as follows, to provide further guidance in relation to the context(s) in which the unit may be applied:

Work is performed under some supervision, generally within a team environment. Individuals who use this unit will have had experience in using arborist climbing techniques and chainsaws in an arboriculture, forestry or related work context. This unit is not intended for use by novice or inexperienced chain saw operators.

F. Quality assurance reports

Skills Impact declares that the proposed components of the *FWP Forest and Wood Products Training Package Version 6.0* meet the requirements of the *Standards for Training Packages 2012* and the *Training Package Development and Endorsement Process Policy*.

The table provides a statement of evidence that the components meet the Training Package Quality Principles.

Principle	Evidenced by:
1. Reflect identified workforce outcomes	<p>Changes demonstrate a clear link back to relevant AISC decisions commissioning the work, the IRC Skills Forecast and Proposed Schedule of Work, National Review Schedule and/or Case for Change, or demonstrate other evidence of industry needs.</p> <p>Training package components are compliant with the Standards for Training Packages 2012, the Training Package Products Policy and the Training Package Development and Endorsement Process Policy</p> <p>Evidence that the training package components respond to Ministers' policy initiatives, in particular the CISC 2015 training package reforms</p> <p>Open and inclusive consultation and validation commensurate with scope and impact has been conducted</p>
2. Support portability of skills and competencies including reflecting licensing and regulatory requirements	<p>Packaging rules, qualifications framework, and pathways support movement within and across sectors</p> <p>Identification of skill sets that respond to client needs</p>
3. Reflect national agreement about the core transferable skills and core job-specific skills required for job roles as identified by industry	<p>Active engagement across industry has sought to achieve a national consensus about the advice being provided to the AISC.</p> <p>Best use is made of cross-industry and work and participation bank units</p>
4. Be flexible to meet the diversity of individual and employer needs, including the capacity to adapt to changing job roles and workplaces	<p>Provide flexible qualifications that enable application in different contexts</p> <p>Provide multiple entry and exit points</p> <p>Entry requirements removed from qualifications</p> <p>No units of competency have prerequisites</p>
5. Facilitate recognition of an individual's skills and knowledge and support movement between the school, vocational education and higher education sectors	<p>Provide pathways from entry and preparatory level as appropriate to facilitate movement between schools and VET, from entry level into work and pathways to higher level qualifications</p>
6. Support interpretation by training providers and others through the use of simple, concise language and clear articulation of assessment requirements	<p>Industry advice about delivery is provided via a Companion Volume Implementation Guide ready for publication at the same time as the Training Package</p> <p>Units of competency and their associated assessment requirements are clearly written and have consistent breadth and depth</p> <p>Compliance with the TGA/National Register requirements for publication</p> <p>Implementation advice is provided in a Companion Volume Implementation Guide that is ready for publication at the same time as the Training Package.</p>

The declaration and statement of evidence is confirmed by the independent Quality Report which is provided in **Appendix 3: Quality Report**.

The *FWP Forest and Wood Products Training Package Version 6.0 Companion Volume Implementation Guide* has been quality assured through Skills Impact's quality processes and is available.

G. Implementation of COAG Industry Skills Council reforms to training packages

The decision being sought from the AISC would support the COAG Industry and Skills Council reforms to training packages. Completion of training package development work, together with extensive consultation with relevant stakeholders, confirms that the submission:

- Removes five (5) qualifications that industry has determined are not required:
 - *FW20716 Certificate II in Timber Truss and Frame Design and Manufacture*
 - *FWP40316 Certificate IV in Timber Truss and Frame Manufacture*
 - *FWP50216 Diploma of Timber Truss and Frame Manufacture*
 - *FWP50316 Diploma of Timber Truss and Frame Design*
 - *FWP20616 Certificate II in Timber Merchandising*
- Removes two (2) units of competency that industry has determined are not required and/or can be replaced with an existing unit from another Training Package:
 - *FWPCOT3251 Promote the carbon benefits of wood products*
 - *FWPFGM2210 Implement animal pest control procedures replaced with AHCPMG309 Apply pest animal control techniques*
- Consolidates eight (8) existing units of competency into four (4) units of competency to minimise duplication of content
- Supersedes one (1) existing unit of competency through incorporation of skills and knowledge into two (2) existing units to remove duplication
- Incorporates core and elective units from the BSB, RII, TLI, CPC and CPP Training Packages in revised qualifications
- Develops five (5) new skill sets specific to frame or truss manufacturing tasks and provide a pathway to a qualification outcome
- Distinguishes between job roles of timber systems designers and manufactures with separate qualifications, and provides pathway from entry level system designers (estimators) to more senior detailers
- Enables new units of competency to be used in multiple forest and wood product industry areas

H. Evidence of completion

Skills Impact confirms that the proposed components of the FWP Forest and Wood Products *Training Package Version 6.0* have been completed according to the work assigned by the AISC in the Case for Change and the subsequent Activity Order.

As identified in the Change of Scope Details on page four of this Case for Endorsement, eleven (11) units of competency originally included in the Case for Change and Activity Order have been deferred for review in future projects to ensure broader and more relevant industry consultation and one (1) unit of competency which was not originally included in the Case for Change in the New Timber Harvesting Technologies project was identified for review.

The developed training package components are listed in **Appendix 1: Components for Endorsement**. Full copies of the listed training package components are provided with this Case for Endorsement.

Evidence that training package component(s) are prepared for publication.

The Quality Report provides confirmation that the draft components meet the *Standards for Training Packages 2012*.

All components have been created to comply with the National Register requirements for publication. The **Mapping Summary** and **Training Package Modification History** provided in **Appendix 1 Components for endorsement** provide details of the changes to the training package components that are required to allow them to be published on the National Register.

I. IRC support

The Forest Management and Harvesting IRC supports the submission of the training package components detailed in this Case for Endorsement.

Signed for and on behalf of the Forest Management and Harvesting IRC by its appointed Chair.

Name of Chair: Stacey Gardiner

Signature of Chair:



Date:

The Timber Building Solutions IRC supports the submission of the training package components detailed in this Case for Endorsement.

Signed for and on behalf of the Timber Building Solutions IRC by its appointed Chair.

Name of Chair: Dave Gover

Signature of Chair:



Date:

Appendix 1: Components for endorsement

a. List of qualification titles and codes

<i>FWP Forest and Wood Products Training Package Version 6.0</i> Qualifications	
Code	Title
FWP30620	Certificate III in Timber Building Products Supply
FWP30920	Certificate III in Timber Frame or Truss Manufacture
FWP31020	Certificate III in Timber Systems Design
FWP40420	Certificate IV in Timber Systems Design

b. List of unit of competency titles and codes and associated assessment requirements

<i>FWP Forest and Wood Products Training Package Version 6.0</i> Units of competency	
Code	Title
FWPCOT2206	Stack and bind material
FWPCOT2234	Dock material to length
FWPCOT2253	Fell trees manually (basic)
FWPCOT2254	Maintain chainsaws
FWPCOT2255	Store materials
FWPCOT2256	Trim and cut felled trees
FWPCOT2257	Use hand-held tools
FWPCOT2258	Assemble products
FWPCOT2259	Cut materials with a hand-held chainsaw
FWPCOT2260	Tally material
FWPCOT2261	Process orders and prepare for despatch
FWPCOT2262	Cut material to shape using a saw
FWPCOT2263	Cross cut materials with a fixed saw
FWPCOT3226	Assess timber for manufacturing potential
FWPCOT3301	Trim trees using a pole saw
FWPCOT3302	Access and provide timber and wood product information
FWPCOT3303	Prepare sketches and drawings
FWPCOT3304	Take off material quantities
FWPCOT3305	Interpret and quote from manufactured timber product plans
FWPCOT3306	Rehabilitate tracks, quarries and landings
FWPCOT3307	Create drawings using computer aided design software
FWPCOT3308	Assemble timber wall frames
FWPCOT3309	Assemble timber roof trusses
FWPCOT3310	Prepare timber or related products to meet import/export compliance requirements
FWPCOT3311	Use environmental care procedures to undertake fire salvage operations

FWP Forest and Wood Products Training Package Version 6.0 Units of competency	
Code	Title
FWPCOT3312	Implement environmentally sustainable work practices in the work area/work site
FWPCOT3313	Apply biodiversity protection principles
FWPCOT3314	Comply with soil and water protection
FWPCOT3315	Transport forestry logs using trucks
FWPCOT3316	Transport forestry produce using trucks
FWPCOT3317	Use chainsaw within a tree
FWPCOT3318	Access, capture and communicate forestry field data using mobile devices
FWPCOT3319	Read and interpret digital maps and forest operation plans
FWPCOT3320	Build and maintain timber stacks
FWPCOT4209	Design timber structures
FWPCOT4210	Provide specialised timber product solutions
FWPCOT4211	Monitor stock control procedures
FWPFGM3208	Construct and maintain forest roads and tracks
FWPFGM3216	Fell trees manually (intermediate)
FWPFGM3217	Fell trees manually (advanced)
FWPHAR2201	Hook up felled trees (choker)
FWPHAR2202	Perform landing duties (chaser)
FWPHAR2208	Operate a mobile chipper/mulcher
FWPHAR2209	Trim and cut harvested trees
FWPHAR3202	Monitor log recovery (rigging slinger)
FWPHAR3203	Operate integrated or split flail and wood chipper with crane
FWPHAR3204	Operate split flail and wood chipper fed by mobile machine
FWPHAR3205	Harvest trees manually (intermediate)
FWPHAR3209	Harvest trees manually (advanced)
FWPHAR3212	Operate yarder
FWPHAR3232	Operate harvesting machine with winch-assist system
FWPHAR3233	Use mechanised equipment for forestry site preparation on steep slopes
FWPSAW2212	Assemble materials using nail plates
FWPTMM2205	Cut material to length and angles
FWPTMM3213	Read and interpret timber truss or wall frame fabrication plans
FWPTMM3214	Assemble timber floor trusses
FWPTMM3215	Work effectively in the timber systems design industry
FWPTMM4209	Interpret details of timber roof trusses to inform design of plans and production documents
FWPTMM4210	Interpret details of timber floor systems to inform design of plans and production documents
FWPTMM4211	Interpret details of timber wall frames to inform design of plans and production documents
FWPTMM4212	Calculate production costs
FWPWPP2213	Cut panels

c. List of skill sets (not for endorsement)

<i>FWP Forest and Wood Products Training Package Version 6.0</i> Skill sets	
Code	Title
FWPSS00041	Cutting Timber to Length and Angle Skill Set
FWPSS00042	Timber Wall Frame Manufacture Skill Set
FWPSS00043	Timber Roof Truss Manufacture Skill Set
FWPSS00044	Timber Floor Truss Manufacture Skill Set
FWPSS00045	Stacking and Storing Timber Frames and Trusses Skill Set

d. Mapping information

Mapping of qualifications

Mapping of qualifications between <i>FWP Forest and Wood Products Training Package Versions 5.0 and 6.0</i>			
Code and title (previous version)	Code and title (current version)	Comments	Equivalence statement
FWP20616 Certificate II in Timber Merchandising	Not applicable	Not applicable	Deleted
FWP20716 Certificate II in Timber Truss and Frame Design and Manufacture	Not applicable	Not applicable	Deleted
FWP30616 Certificate III in Timber Merchandising	FWP30620 Certificate III in Timber Building Products Supply	Titled changed to reflect industry focus. Number of units, core and elective units changed.	Not Equivalent
FWP30916 Certificate III in Timber Truss and Frame Design and Manufacture	FWP30920 Certificate III in Timber Frame or Truss Manufacture	Titled changed to reflect manufacturing focus. Number of units, core and elective units changed.	Not Equivalent
FWP30916 Certificate III in Timber Truss and Frame Design and Manufacture	FWP31020 Certificate III in Timber Systems Design	Title change to reflect specific outcome of timber system design. Changes to core and listed elective units.	Not Equivalent
FWP40316 Certificate IV in Timber Truss and Frame Manufacture	Not applicable	Not applicable	Deleted
FWP40416 Certificate IV in	FWP40420 Certificate IV in	Retitled Removal of entry requirements.	Not Equivalent

Mapping of qualifications between FWP Forest and Wood Products Training Package Versions 5.0 and 6.0			
Code and title (previous version)	Code and title (current version)	Comments	Equivalence statement
Timber Truss and Frame Design	Timber Systems Design	Change to number of units for qualification outcome and core and elective units.	
FWP50216 Diploma of Timber Truss and Frame Manufacture	Not applicable	Not applicable	Deleted
FWP50316 Diploma of Timber Truss and Frame Design	Not applicable	Not applicable	Deleted

Mapping of units of competency

Mapping of units of competency between FWP Forest and Wood Products Training Package Versions 5.0 and 6.0			
Code and title (previous version)	Code and title (current version)	Comments	Equivalence statement
Not applicable	FWPCOT3317 Use chainsaw within a tree	This unit has been created to address an emerging skill or task required by industry	Newly created
Not applicable	FWPCOT3318 Access, capture and communicate forestry field data using mobile devices	This unit has been created to address an emerging skill or task required by industry	Newly created
Not applicable	FWPCOT3319 Read and interpret digital maps and forest operation plans	This unit has been created to address an emerging skill or task required by industry	Newly created
Not applicable	FWPHAR3232 Operate harvesting machine with winch-assist system	This unit has been created to address an emerging skill or task required by industry	Newly created
Not applicable	FWPHAR3233 Use mechanised equipment for forestry site preparation on steep slopes	This unit has been created to address an emerging skill or task required by industry	Newly created
Not applicable	FWPTMM3215 Work effectively in the timber systems design industry	This unit has been created to address an emerging skill or task required by industry	Newly created
FWPCOT2201 Stack and bind material	FWPCOT2206 Stack and bind material	Application clarified Performance Criteria re-sequenced and strengthened Foundation Skills and	Equivalent

Mapping of units of competency between FWP Forest and Wood Products Training Package Versions 5.0 and 6.0			
Code and title (previous version)	Code and title (current version)	Comments	Equivalence statement
		Assessment Requirements updated	
FWPCOT2210 Tally material	FWPCOT2260 Tally material	Minor grammatical and editorial changes to Application and Performance Criteria Foundation Skills reviewed Assessment Requirements reviewed and updated	Equivalent
FWPCOT2218 Cross cut materials with a fixed saw	FWPCOT2263 Cross cut materials with a fixed saw	Application and Knowledge Evidence minor changes Element and Performance Criteria updated and sequenced Foundation Skills, Performance Evidence and Assessment Conditions updated	Equivalent
FWPCOT2219 Use hand-held tools	FWPCOT2257 Use hand-held tools	Application wording clarified Element added Performance Criteria, Foundation Skills and Assessment Requirements reviewed and updated	Equivalent
FWPCOT2227 Process orders and despatch products	FWPCOT2261 Process orders and prepare for despatch	Retitled Application wording updated Elements and Performance Criteria reworded Foundation Skills, Performance Evidence and Knowledge Evidence updated Assessment Conditions reviewed and updated	Not Equivalent
FWPCOT2228 Store materials	FWPCOT2255 Store materials	Application wording clarified Element added and Performance Criteria re-sequenced Foundation Skills and Assessment Requirements updated	Equivalent
FWPCOT2229 Dock material to length	FWPCOT2234 Dock material to length	Application clarified Performance Criteria, Foundation Skills and Assessment Requirements updated	Equivalent

Mapping of units of competency between <i>FWP Forest and Wood Products Training Package Versions 5.0 and 6.0</i>			
Code and title (previous version)	Code and title (current version)	Comments	Equivalence statement
FWPCOT2230 Assemble products	FWPCOT2258 Assemble projects	Application and Foundation Skills updated and reworded Performance Criteria update and re-sequenced Performance Evidence and Knowledge Evidence updated and reworded Assessment Conditions updated	Equivalent
FWPCOT2232 Cut material to shape using a saw	FWPCOT2262 Cut material to shape using a saw	Rewording of Application and Performance Criteria. Changes to Foundation Skills. Addition of frequency, volume and saw use in Performance Evidence. Addition of Knowledge Evidence to align to Performance Criteria	Equivalent
FWPCOT2235 Assess timber for manufacturing potential	FWPCOT3226 Assess timber for manufacturing potential	Level of skill complexity revised Application clarified Performance Criteria re- sequenced Foundation Skills and Assessment Requirements updated	Equivalent
FWPCOT2236 Fall trees manually (basic)	FWPCOT2253 Fell trees manually (basic)	Changes to Application Updated and added new Performance Criteria Reworded Elements Updated Foundation Skills, Performance Evidence Knowledge Evidence and Assessment Conditions	Equivalent
FWPCOT2237 Maintain chainsaws	FWPCOT2254 Maintain chainsaws	Clarified Application Updated and added new Performance Criteria Added new knowledge items Updated Foundation Skills, Performance Evidence and Assessment Conditions	Equivalent
FWPCOT2238 Cut materials with a hand-held chainsaw	FWPCOT2259 Cut materials with a hand-held chainsaw	Application wording updated Element reworded and Performance Criteria reviewed, updated and re- sequenced	Equivalent

Mapping of units of competency between FWP Forest and Wood Products Training Package Versions 5.0 and 6.0			
Code and title (previous version)	Code and title (current version)	Comments	Equivalence statement
		Foundation Skills and Assessment Requirements reviewed and updated	
FWPCOT2239 Trim and cut felled trees	FWPCOT2256 Trim and cut felled trees	Minor changes to Application, Performance Criteria and Knowledge Evidence Added new Performance Criteria Updated Foundation Skills, Performance Evidence and Assessment Conditions	Equivalent
FWPCOT2241 Apply wood and timber product knowledge	FWPCOT3302 Access and provide timber and wood product information	Title amended Clarified Application Reworded Elements and Performance Criteria Updated Knowledge Evidence, Foundation Skills, Performance Evidence and Assessment Conditions	Equivalent
FWPCOT3204 Prepare and interpret sketches and drawings	FWPCOT3303 Prepare sketches and drawings	Retitled Application updated Elements reworded Performance Criteria re-sequenced Assessment Requirements rewritten to specify volume Performance Evidence Knowledge Evidence updated	Equivalent
FWPCOT3214 Take off material quantities	FWPCOT3304 Take off material quantities	Application updated Elements and Performance Criteria reworded and re-sequenced Assessment Requirements updated	Equivalent
FWPCOT3218 Quote and interpret from manufactured timber product plans	FWPCOT3305 Interpret and quote from manufactured timber product plans	Retitled Redesigned unit using content from FWPCOT3218 Quote and interpret from manufactured timber product plans and FWPCOT3220 Quote and interpret from computerised timber manufactured product plans	Not Equivalent

Mapping of units of competency between <i>FWP Forest and Wood Products Training Package Versions 5.0 and 6.0</i>			
Code and title (previous version)	Code and title (current version)	Comments	Equivalence statement
FWPCOT3220 Quote and interpret from computerised timber manufactured product plans	FWPCOT3305 Interpret and quote from manufactured timber product plans	Retitled Redesigned unit using content from FWPCOT3218 Quote and interpret from manufactured timber product plans and FWPCOT3220 Quote and interpret from computerised timber manufactured product plans	Not Equivalent
FWPCOT3221 Rehabilitate tracks, quarries and landings	FWPCOT3306 Rehabilitate tracks, quarries and landings	Updated and added new Performance Criteria Added new knowledge item Reworded Foundation Skills, Performance Evidence and Assessment Conditions	Equivalent
FWPCOT3236 Coordinate stock control procedures	FWPCOT4211 Monitor stock control procedures	Re-titled Level of skill complexity revised Minor grammatical changes to Application, Elements and Performance Criteria Updated Foundation Skills and Assessment Requirements	Equivalent
FWPCOT3238 Operate a pole saw	FWPCOT3301 Trim trees using a pole saw	Re-titled Minor updates to Application, Performance Criteria and Knowledge Evidence Added new Performance Criteria Updated Foundation Skills, Performance Evidence and Assessment Conditions	Equivalent
FWPCOT3239 Create drawings using computer aided design systems	FWPCOT3307 Create drawings using computer aided design software	Retitled Application clarified Elements and Performance Criteria reworded Foundation Skills and Assessment Requirements updated	Equivalent
FWPCOT3241 Assemble timber wall frames	FWPCOT3308 Assemble timber wall frames	Application clarified Elements renamed	Equivalent

Mapping of units of competency between <i>FWP Forest and Wood Products Training Package Versions 5.0 and 6.0</i>			
Code and title (previous version)	Code and title (current version)	Comments	Equivalence statement
		Performance Criteria re-sequenced Foundation Skills and Assessment Requirements updated	
FWPCOT3242 Lay up timber roof trusses	FWPCOT3309 Assemble timber roof trusses	Redesigned unit using content from FWPCOT3242 Lay up timber roof trusses and FWPCOT3243 Operate a truss press Re-titled Elements and Performance Criteria reviewed and updated Assessment Requirements reworded and updated	Not Equivalent
FWPCOT3243 Operate a truss press	FWPCOT3309 Assemble timber roof trusses	Redesigned unit using content from FWPCOT3242 Lay up timber roof trusses and FWPCOT3243 Operate a truss press Re-titled Elements and Performance Criteria reviewed and updated Assessment Requirements reworded and updated	Not Equivalent
FWPCOT3250 Prepare timber to meet import/export compliance requirements	FWPCOT3310 Prepare timber or related products to meet import/export compliance requirements	Title amended Minor changes to Application Reworded Elements and Performance Criteria Updated Foundation Skills, Performance Evidence and Assessment Conditions	Equivalent
FWPCOT3251 Promote the carbon benefits of wood products	Not applicable	Not applicable	Deleted
FWPCOT3252 Use environmental care procedures to undertake fire salvage operations	FWPCOT3311 Use environmental care procedures to undertake fire salvage operations	Merged Elements Minor updates to Knowledge Evidence Updated Foundation Skills, Performance Evidence and Assessment Conditions	Equivalent
FWPCOT3254 Implement environmentally	FWPCOT3312 Implement environmentally	Updated Application Reworded Elements	Equivalent

Mapping of units of competency between FWP Forest and Wood Products Training Package Versions 5.0 and 6.0			
Code and title (previous version)	Code and title (current version)	Comments	Equivalence statement
sustainable work practices in the work area/work site	sustainable work practices in the work area/work site	Minor changes to Performance Criteria Added new knowledge item Updated Foundation Skills, Performance Evidence and Assessment Conditions	
FWPCOT3256 Apply biodiversity protection principles	FWPCOT3313 Apply biodiversity protection principles	Clarified Application Updated and added new Performance Criteria Updated Foundation Skills, Performance Evidence and Assessment Conditions	Equivalent
FWPCOT3258 Comply with soil and water protection	FWPCOT3314 Comply with soil and water protection	Clarified Application Updated and added new Performance Criteria Deleted Element and incorporated its Performance Criteria Updated Foundation Skills, Performance Evidence and Assessment Conditions	Equivalent
FWPCOT3261 Transport forestry logs using trucks	FWPCOT3315 Transport forestry logs using trucks	Unit updated to match skill and knowledge requirements outlined in the industry Code of Practice Clarified Application Deleted and added a new Performance Criteria Updated Knowledge Evidence, Foundation Skills, Performance Evidence and Assessment Conditions	Not Equivalent
FWPCOT3262 Transport forestry produce using trucks	FWPCOT3316 Transport forestry produce using trucks	Clarified Application Added new Performance Criteria Updated Foundation Skills, Performance Evidence and Assessment Conditions	Equivalent
FWPCOT3264 Build and maintain timber stacks	FWPCOT3320 Build and maintain timber stacks	Wording of Application and Performance Criteria updated Foundation Skills updated Volume added to Performance Evidence and wording updated and restructured	Equivalent

Mapping of units of competency between FWP Forest and Wood Products Training Package Versions 5.0 and 6.0			
Code and title (previous version)	Code and title (current version)	Comments	Equivalence statement
		Assessment Conditions updated	
FWPCOT3269 Provide specialised timber product solutions	FWPCOT4210 Provide specialised timber product solutions	Clarified Application Reworded Elements and Performance Criteria Updated Foundation Skills, Performance Evidence and Assessment Conditions	Equivalent
FWPCOT4202 Design timber structures	FWPCOT4209 Design timber structures	Application clarified Elements renamed Performance Criteria, Foundation Skills and Assessment Requirements updated	Equivalent
FWPFGM2210 Implement animal pest control procedures	Not applicable	Not applicable	Deleted
FWPFGM3209 Construct and maintain forest roads and tracks	FWPFGM3208 Construct and maintain forest roads and tracks	Minor updates to Application, Performance Criteria and Knowledge Evidence Added a new Element Updated Foundation Skills, Performance Evidence and Assessment Conditions	Equivalent
FWPFGM3212 Fell trees manually (intermediate)	FWPFGM3216 Fell trees manually (intermediate)	Updated Application Reworded and added new Performance Criteria Added a new Element Updated Foundation Skills, Performance Evidence, Knowledge Evidence and Assessment Conditions	Equivalent
FWPFGM3213 Fell trees manually (advanced)	FWPFGM3217 Fell trees manually (advanced)	Updated Application Reworded and added new Performance Criteria Added a new Element Updated Foundation Skills, Performance Evidence, Knowledge Evidence and Assessment Conditions	Equivalent
FWPHAR2203 Hook up felled logs using cables (choker)	FWPHAR2201 Hook up felled trees (choker)	Title amended Minor update to Application, Elements and Knowledge Evidence Added new Performance Criteria Updated Foundation Skills,	Equivalent

Mapping of units of competency between FWP Forest and Wood Products Training Package Versions 5.0 and 6.0			
Code and title (previous version)	Code and title (current version)	Comments	Equivalence statement
		Performance Evidence and Assessment Conditions	
FWPHAR2204 Perform landing duties (chaser)	FWPHAR2202 Perform landing duties (chaser)	Minor updates to Application, Performance Criteria and Knowledge Evidence Added new Performance Criteria Merged two Elements Updated Foundation Skills, Performance Evidence and Assessment Conditions	Equivalent
FWPHAR2206 Operate a mobile chipper/mulcher	FWPHAR2208 Operate a mobile chipper/mulcher	Clarified Application Updated and added new Performance Criteria Re-titled Element Added new knowledge items Updated Foundation Skills, Performance Evidence and Assessment Conditions	Equivalent
FWPHAR2207 Trim and cut harvested trees	FWPHAR2209 Trim and cut harvested trees	Minor updates to Application and Knowledge Evidence Re-titled Element Added new Performance Criteria Updated Foundation Skills, Performance Evidence and Assessment Conditions	Equivalent
FWPHAR3201 Monitor log recovery (rigging slinger)	FWPHAR3202 Monitor log recovery (rigging slinger)	Minor updates to Application, Performance Criteria and Knowledge Evidence Updated Foundation Skills, Performance Evidence and Assessment Conditions	Equivalent
FWPHAR3215 Operate a heavy production mobile chipper	FWPHAR3203 Operate integrated or split flail and wood chipper with crane	Redesigned unit using content from FWPHAR3215 Operate a heavy production mobile chipper to provide specific skills for specialised in-field wood chipping equipment	Not Equivalent
FWPHAR3215 Operate a heavy production mobile chipper	FWPHAR3204 Operate split flail and wood chipper fed by mobile machine	Redesigned unit using content from FWPHAR3215 Operate a heavy production mobile chipper to provide specific	Not Equivalent

Mapping of units of competency between FWP Forest and Wood Products Training Package Versions 5.0 and 6.0			
Code and title (previous version)	Code and title (current version)	Comments	Equivalence statement
		skills for specialised in-field wood chipping equipment	
FWPHAR3220 Harvest trees manually (intermediate)	FWPHAR3205 Harvest trees manually (intermediate)	Clarified Application Deleted and added new Element Updated and added new Performance Criteria Updated Foundation Skills, Performance Evidence, Knowledge Evidence and Assessment Conditions	Equivalent
FWPHAR3221 Harvest trees manually (advanced)	FWPHAR3209 Harvest trees manually (advanced)	Clarified Application Updated and added new Performance Criteria Updated Foundation Skills, Performance Evidence, Knowledge Evidence and Assessment Conditions	Equivalent
FWPHAR3231 Operate yarder	FWPHAR3212 Operate yarder	Minor changes to Application and Knowledge Evidence Added new Performance Criteria Updated Foundation Skills, Performance Evidence and Assessment Conditions	Equivalent
FWPSAW2205 Assemble materials using nail plates	FWPSAW2212 Assemble materials using nail plates	Application and Performance Criteria reworded Updated Foundation Skills and Assessment Requirements	Equivalent
FWPTMM2201 Cut material to length and angles	FWPTMM2205 Cut material to length and angles	Application clarified Performance Criteria, Foundation Skills and Assessment Requirements updated	Equivalent
FWPTMM2203 Read and interpret timber truss, floor and/or frame fabrication plans	FWPTMM3213 Read and interpret timber truss or wall frame fabrication plans	Re-titled Indicative AQF unit level revised Application clarified Performance Criteria re-sequenced Foundation Skills and Assessment Requirements updated	Not Equivalent
FWPTMM3204 Interpret designs to prepare timber roof truss drawings and	FWPTMM4209 Interpret details of timber roof trusses to inform design of	Redesigned unit using content from FWPTMM4205 Prepare and advise on a broad	Not Equivalent

Mapping of units of competency between <i>FWP Forest and Wood Products Training Package Versions 5.0 and 6.0</i>			
Code and title (previous version)	Code and title (current version)	Comments	Equivalence statement
documents using computers	plans and production documents	range of timber roof truss details using computers FWPTMM3204 Interpret designs to prepare timber roof truss drawings and documents using computers Re-titled	
FWPTMM3205 Interpret designs to prepare timber floor system drawings and documents using computers	FWPTMM4210 Interpret details of timber floor systems to inform design of plans and production documents	Redesigned unit using content from FWPTMM4206 Prepare and advise on a broad range of timber floor system details using computers and FWPTMM3205 Interpret designs to prepare timber floor system drawings and documents using computers	Not Equivalent
FWPTMM3206 Interpret designs to prepare timber wall frame drawings and documents using computers	FWPTMM4211 Interpret details of timber wall frames to inform design of plans and production documents	Redesigned unit using content from FWPTMM4207 Prepare and advise on a broad range of timber wall frame details using computers and FWPTMM3206 Interpret designs to prepare timber wall frame drawings and documents using computers Re-titled	Not Equivalent
FWPTMM3207 Set up timber floor trusses	FWPTMM3214 Assemble timber floor trusses	Redesigned unit using content from FWPTMM3207 Set up timber floor trusses and FWPCOT3243 Operate a truss press Re-titled	Not Equivalent
FWPTMM4202 Diagnose and calculate production costs	FWPTMM4212 Calculate production costs	Re-titled Minor wording and grammatical changes in Application and Performance Criteria Foundation Skills updated Assessment Requirements updated for clarity	Equivalent
FWPTMM4205 Prepare and advise on a broad range of timber roof truss	FWPTMM4209 Interpret details of timber roof trusses to inform design of	Redesigned unit using content from FWPTMM4205 Prepare and advise on a broad range of timber roof truss	Not Equivalent

Mapping of units of competency between <i>FWP Forest and Wood Products Training Package Versions 5.0 and 6.0</i>			
Code and title (previous version)	Code and title (current version)	Comments	Equivalence statement
details using computers	plans and production documents	details using computers FWPTMM3204 Interpret designs to prepare timber roof truss drawings and documents using computers Re-titled	
FWPTMM4206 Prepare and advise on a broad range of timber floor system details using computers	FWPTMM4210 Interpret details of timber floor systems to inform design of plans and production documents	Redesigned unit using content from FWPTMM4206 Prepare and advise on a broad range of timber floor system details using computers and FWPTMM3205 Interpret designs to prepare timber floor system drawings and documents using computers Re-titled	Not Equivalent
FWPTMM4207 Prepare and advise on a broad range of timber wall frame details using computers	FWPTMM4211 Interpret details of timber wall frames to inform design of plans and production documents	Redesigned unit using content from FWPTMM4207 Prepare and advise on a broad range of timber wall frame details using computers and FWPTMM3206 Interpret designs to prepare timber wall frame drawings and documents using computers Re-titled	Not Equivalent
FWPWPP2201 Cut panels	FWPWPP2213 Cut panels	Application and Performance Criteria updated and reworded Assessment Requirements clarified	Equivalent

Mapping of skill sets (not for endorsement)

Mapping of skill sets between <i>FWP Forest and Wood Products Training Package Versions 5.0 and 6.0</i>			
Code and title (previous version)	Code and title (current version)	Comments	Equivalence statement
Not applicable	FWPSS00041 Cutting Timber to Length and Angle Skill Set	This skill set has been created to address a specific job task required by industry	Newly created

Mapping of skill sets between <i>FWP Forest and Wood Products Training Package Versions 5.0 and 6.0</i>			
Not applicable	FWPSS00042 Timber Wall Frame Manufacture Skill Set	This skill set has been created to address a specific job task required by industry	Newly created
Not applicable	FWPSS00043 Timber Roof Truss Manufacture Skill Set	This skill set has been created to address a specific job task required by industry	Newly created
Not applicable	FWPSS00044 Timber Floor Truss Manufacture Skill Set	This skill set has been created to address a specific job task required by industry	Newly created
Not applicable	FWPSS00045 Stacking and Storing Timber Frames and Trusses Skill Set	This skill set has been created to address a specific job task required by industry	Newly created

d. Credit arrangements

Credit arrangements for <i>FWP Forest and Wood Products Training Package Version 6.0</i>		
Qualification Code	Qualification Title	Credit Arrangement Details
FWP30620	Certificate III in Timber Building Products Supply	At the time of endorsement of this training package, no national credit arrangements exist.
FWP30920	Certificate III in Timber Frame or Truss Manufacture	At the time of endorsement of this training package, no national credit arrangements exist.
FWP31020	Certificate III in Timber Systems Design	At the time of endorsement of this training package, no national credit arrangements exist.
FWP40420	Certificate IV in Timber Systems Design	At the time of endorsement of this training package, no national credit arrangements exist.

Appendix 2: Industry support

Consultation activities

A range of strategies were used for consultation with stakeholders during development of the *FWP Forest and Wood Products Training Package Version 6.0*.

Consultation activities included:

- Project page on the Skills Impact website - throughout project lifecycle
 - [New Harvesting Technologies](#)
 - [Timber Truss and Frame Estimating and Design](#)
 - [Timber Merchandising](#)
- News articles and stories in Skills Impact newsletters and other external publications – throughout project
- SME Working group and functional analysis workshops - August 2019 to Jan 2020
- Site visits and face-to-face meetings – throughout project
- Consultation draft 1 – feedback hub, face-to-face workshops, webinars - 27 January to 28 February 2020 and 14 February to 16 March 2020
- Additional draft consultation– feedback hub, webinar - 10 April-8 May
- Validation survey and validation meetings - 16 March to 27 March 2020, 23 March 2020 to 3 April 2020 and 13-27 May

Stakeholders engaged during the project are described in the matrix below, with a full list of all engaged stakeholders available below.

New harvesting technologies

	ACT	NSW	NT	Qld	SA	Tas	Vic	WA	National
Industry (employer / employee)									
Industry association		*		*		*	*	*	*
Union									*
Registered Training Organisation (RTO)									
Government department									

Timber truss and frame estimating and design

	ACT	NSW	NT	Qld	SA	Tas	Vic	WA	National
Industry (employer / employee)									
Industry association									
Union									*
Registered Training Organisation (RTO)				**					
Government department									

Timber merchandising

	ACT	NSW	NT	Qld	SA	Tas	Vic	WA	National
Industry (employer / employee) ***									
Industry association		*		*		*	*	*	
Union									*
Registered Training Organisation (RTO)				**			**		
Government department									

Note:

* State-based and national industry associations and representatives from the Construction Forestry Maritime Mining And Energy Union (CFMMEU) were informed of the project throughout its progress and requested to communicate the projects' consultations to members.

** There are only two Registered Training Organisations in QLD and VIC who deliver the revised qualifications and they both contributed to the development and during the consultations on the draft components.

*** Businesses of this industry sector operate mainly in NSW, VIC and QLD where there is a high building construction activity. In SA, WA, TAS and NT there is a very small number of small or non-employing timber supply operations, and they have a history of minimal enrolments in timber merchandising qualifications during the last five years.

Project page on the Skills Impact website

A project page was set up on the Skills Impact website at the start of the project with information about the project together with progress updates. The project page remained on the website throughout the project. Visitors were invited to register their interest to receive email alerts about the project including notification and registration for public consultation workshops and opportunities to provide feedback on draft materials.

- New Harvesting Technologies project page is available [here](#).
- Timber Truss and Frame Estimating and Design project page is available [here](#).
- Timber Merchandising project page is available [here](#).

Publications

As part of communication activities to inform stakeholders of the project's progress and opportunities for input and feedback, news articles, social media posts and newsletters were published. Skills Impact newsletters and website news articles were published on the Skills Impact website and distributed to the database of subscribers. External publications were distributed to the relevant publisher's subscriber lists.

Skills Impact newsletters and website news

Distributed to the Skills Impact database of subscribers.

- New Forestry & Timber Projects Underway - 2 September 2019
- Forestry & Timber Projects in Development - 21 November 2019
- Feedback Sought on Draft Skills Standards - 23 January 2020
- Feedback on Draft Skills Standards - 10 February 2020
- Additional Units Available for Feedback - 6 April 2020

In addition to these publications, an *Update on Skills Impact Projects* Newsletter was distributed to State and Territory Training Authorities, Industry Training Advisory Boards and Councils, Victorian Curriculum Maintenance Managers and TAFE NSW Industry Liaison people each month, providing updates on all Skills Impact projects, including the New Harvesting Technologies, Timber Truss and Frame Estimating and Design and Timber Merchandising projects.

External publications

- [ForestWorks E-News](#) - New Training Package Projects - 20 June 2019
- [FTMA News Online Edition 17](#) - Review of the Timber Truss & Frame Qualifications - 25 June 2019
- [Daily Timber News](#) - Forestworks' new training package projects - 9 July 2019
- LinkedIn Post - Have your say - 15 July 2019
- MGA|TMA Members Email Notification - Have your say on the national qualifications for timber merchandising – 30 July 2019
- Arboriculture Australia Magazine The Bark™ - Review of national competencies for manual tree felling and wood chipping operations - August 2019
- Arboriculture Australia Magazine The Bark™ - Update on the national skills standards for chainsaw operations - November 2019
- Timber and Forestry E-news Issue 586 - Evolving roles and skills in timber merchandising reflected in changes – 21 November 2020
- MGA|TMA e-news - Have your say on the national skills needs for job roles in timber building products supply - 5 December 2019
- [FTMA News Online, Edition 23 - Training Matters - 15 Dec 2019](#)
- Timber and Forestry E-news Issue 592, Skills standard changes meet requirements or jobs in industry The basis for on-the-job training, assessment and re-assessment - 23 January 23 2020
- Daily Timber News digital adds on projects' consultations - 7 February to 30 February 2020
- [FTMA News Online, Edition 24 - Have Your Say – New Qualifications & Skill Sets for Jobs in Timber Systems Fabrication](#) - 26 Feb 2020
- FTMA Member Email Notification - Final chance to have your say: New Nationally Recognised Training Qualifications (including FTMA members Briefing Note and Online Poll) - 27 February 2020
- AFPA Member e-News - February 2020
- VAFI The News Mill and Members Only Newsletter - February 2020
- AFCA The Log - 10 Feb 2020
- Timber Qld Member e-News - February 2020
- MGA|TMA e-news - Proposed new nationally recognised qualifications for jobs in timber building supply - 3 March 2020

Subject Matter Expert Working Group

The following Subject Matter Experts participated in face-to-face, email and telephone consultation activities as part of the projects' development phase.

Name	Organisation	Position	Organisation Type / Size	State
New Harvesting Technologies				
Adam Tozer	Tree Time	Director	Industry	VIC
Adam Farquharson	TAFE NSW	Forestry Teacher	RTO	NSW
Adan Taylor	GMT Logging	General Manager	Industry	QLD
Adrian Walls	Sustainable Timber Tasmania	Planning Manager (North)	Industry	TAS
Amanda Slater	Forico	Manager People and Culture	Industry	TAS
Andrew Clark	Les Walkden Enterprises	Operations Manager	Industry	TAS
Andrew Mahnken	Mountain Logging	Director	Industry	VIC
Andrew Sanderson	Forestry Corporation NSW	Harvesting Supervisor	Industry	NSW
April Hobbs	Arboriculture Australia	General Manager	Industry Association	National
Arna Love	Bush and Beach Tree Services	Project Manager - Environmental Vegetation Earthworks	Industry	QLD
Bernard Prosser	Forico	Forest Solutions Analyst	Industry	TAS
Bill Paul	Vic Forests	Manager Environmental Performance	Industry	VIC
Bill Towie	Towie Timber Training	Director	RTO	WA
Brodie Frost	Timberlands Pacific	Woodflow Manager	Industry	TAS
Chathura Wickramasinghe	HVP Plantations	GIS Coordinator	Industry	VIC
Chris Grove	Forest Practices Authority	Publications and Training Officer	Industry	TAS
Christopher Morris	Wodonga TAFE	Teacher Arboriculture	RTO	VIC
Craig Patmore	Sustainable Timber Tasmania	Production Manager	Industry	TAS

Name	Organisation	Position	Organisation Type / Size	State
Daniel Pfrunder	HQPlantations	Human Resources Manager	Industry	QLD
Dave Bowdern	Department of Environment, Land, Water and Planning	Technical Training Officer Workforce Development Forest, Fire and Regions	Industry	VIC
David Priem	TAFE NSW	Industry Relationship Lead – Land Management Agribusiness SkillsPoint	RTO	NSW
David Bennett	PF Olsen	Risk and compliance manager	Industry	VIC
Egbert Kritzing	HQPlantations	Harvesting Manager	Industry	QLD
Gareth Tempest	Timberlands Pacific	Not available	Industry	TAS
Garth Jones	Tree Care Machinery	Not available	Industry	SA
Gavin Dohnt	L.V. Dohnt	Chief Operating Officer, Fixed Assets	Industry	SA
Gayle Quin	Timberlands Pacific	Quality and Risk Coordinator	Industry	TAS
Gerard Bennett	Bennetts Logging	Director	Industry	TAS
Guy Badger	Arbor Guy	Director	Industry	WA
Gye Draney	Climb High Training	Director and Lead Trainer	RTO	ACT
Heather May	Latrobe Valley Training and Assessment Centre	Director	RTO	VIC
Henk Morgans	Evergreen Tree Care	Arborist	Industry	QLD
Ian Reid	Austimber Harvesting & Haulage	Director	Industry	VIC
James Dick	Forico	Resource Information Officer	Industry	TAS
Joe Harris	Into trees	Climber and Arborist	Industry	TAS
Keith Eastley	TasTAFE	Teacher/Assessor	RTO	TAS
Kevin Nunn	TAFE Gippsland	Trainer	RTO	VIC

Name	Organisation	Position	Organisation Type / Size	State
Lee Stamm	HQPlantations	Resource Information Manager	Industry	QLD
Les Allen	Allen's Chainsaw Training	Trainer	RTO	QLD
Les Walkden	Les Walkden Enterprises	Business Owner Manager	Industry	TAS
Lesia Clark	HVP Plantations	Skills Coordinator (Contractor)	Industry	VIC
Linda Cotterill	OneFortyOne Plantations	Pioneer	Industry	SA
Mark Dohnt	L.V. Dohnt	Regional Manager WA	Industry	WA
Mark Graf	HVP Plantations	Corporate Road Manager	Industry	VIC
Michael Poole	Thought Planters	Trainer	RTO	NSW
Michael Quirk	Timber Training Creswick	Trainer	RTO	VIC
Michelle McAndrew	HQPlantations	Senior Forester Sustainability	Industry	QLD
Nicola Morisson	HQPlantations	HR Consultant	Industry	QLD
Peter Berry	Timber Training Pty Ltd	Director	RTO	NSW
Peter Hutton	TasTAFE	Trainer/Assessor	RTO	TAS
Phil Whiteman	HVP Plantations	Environment and Certification Manager	Industry	VIC
Ralph Boyke	Timber Training Creswick	Trainer	RTO	VIC
Ray Stone	Chainsaw Accreditation Safety Training	Trainer	RTO	NSW
Rob Rule	Timber Training Creswick	Managing Director	RTO	VIC
Sandy Kanahs	LITA Training	Operations Manager	Industry	SA
Sean Ryan	Private Forestry Service Queensland	Executive Officer	Industry	QLD
Sheila Douglas	Four Wheel Drive Victoria	Training Manager	RTO	VIC

Name	Organisation	Position	Organisation Type / Size	State
Steve Smith	Steve Smith Chainsaw Training	Trainer	RTO	QLD
Tammy Price	Bennetts Logging	Owner and Manager	Industry	TAS
Tim Lee	HQPlantations	Not available	Industry	QLD
Tom Richardson	The Living Forest	Arborist	Industry	SA
Trevor Hislop	Food, Fibre & Timber Industries Training Council (WA)	Project Manager	Industry	WA
Timber Truss and Frame Estimating and Design				
Anita Day	Multinail	Training Development Officer	Industry	QLD
Anita Weller	Pryda	Technical Writer	Industry	VIC
Cathy Fraser	MITEK Australia	Training Development Officer	Industry	SA
Cris Garcia	Advanced Truss Systems	Timber Systems Designer	Industry	QLD
David Proudford	Midcoast Timber Centers – Key Building	Not available	Industry	NSW
Denise Campbell Burns	CFMMEU	National President CFMEU Manufacturing Division	Union	VIC
Jason Turner	Bretts Timber and Hardware	General Manager Frame & Truss	Industry	QLD
June Dunleavy	TABMA Training	General Manager - Training	RTO	QLD
Kersten Gentle	FTMA	CEO	Industry Association	National
Nathan Quarrell	Dahlsens	TAF Detailing Coordinator	Industry	VIC
Phil Ladson	FTMA	Training Program Manager	Industry Association	National
Peter Alexander	Peuker & Alexander	Managing director	Industry	VIC
Randall Davis	Virginia Building Supplies	General Manager	Industry	QLD

Name	Organisation	Position	Organisation Type / Size	State
Rob Rule	Timber Training Creswick	Managing Director	RTO	VIC
Timber Merchandising				
Andrew Feez	Bretts Timber and Hardware	General Manager	Industry	QLD
Anita Trengrove	BARWON TIMBER BAR-TRUSS	General Manager	Industry	VIC
Ann Sanfey	Timber Merchants Australia	Manager	Industry Association	VIC
Anthony Simpson	Bretts Timber and Hardware	Area Manager	Industry	QLD
Claire Wilson	MGA Independent Retailers	Trainer	RTO	VIC
Emma Conway	Hyne Timber	Human Resource Specialist	Industry	QLD
John Halkett	Australian Timber Importers Federation	General Manager	Industry Association	NSW
Julianne Henry	Dahlsens	Learning and Development Manager	Industry	VIC
Neil Sullivan	Independent Hardware Group (Mitre 10)	Learning Solutions	Industry	VIC
Peter Womersleys	Womersley' Mitre 10 Frankston	Director	Industry	VIC
Richard Hill	Timber Merchants Australia	Director	Industry	VIC
Rob Rule	Timber Training Creswick	Managing Director	RTO	VIC
Steve Cunningham	TABMA	National Training and Development Manager	RTO	NSW
Stuart Gale	Britton Timbers	Operations Manager	Industry	TAS

Consultation Draft Feedback Contributors

Name	Organisation	Position	Organisation Type / Size	State
New Harvesting Technologies				
Andrew Sanderson	Forestry Corp	Harvesting supervisor	Industry	NSW
Anne Wiltshire	Melbourne Polytechnic	Primary Industries Curriculum Maintenance Manager (PICMM)	Gov	VIC
Bernard Prosser	Forico	Forest Solutions analyst	Industry	TAS
Bill Towie	Towie Timber Training	Director	RTO	WA
Chathura Wickramasinghe	HVP	GIS Coordinator	Industry	VIC
Chris Morris	Wodonga TAFE	Teacher	RTO	VIC
David McElvenny	Workspace Training	Director	RTO	NSW
David Priem	TAFE NSW	Industry Relationship Lead – Land Management Agribusiness SkillsPoint	RTO	NSW
Garth Jones	Tree care Machinery	Not available	Industry	SA
Gerald Bennet	Bennets Logging	Director	Industry	TAS
Guy Badger	Arbor Guy	Not available	Industry	WA
Ian McLeod	MTO Group Partner RTO	CEO	RTO	QLD
Jodie Honan	SWTAFE	Teacher	RTO	SA
Joe Harris	Into Trees	Climber & Arborist	Industry	TAS
Keith Eastly	TasTAFE	Teacher and Assessor	RTO	TAS
Linda Cotterill	OneFortyOne	Pioneer	Industry	SA
Peter Berry	Timber Training	Director	RTO	NSW
Rani Thulasy	Department of Training and Workforce Development	Senior Program Officer, Training Curriculum Services State Workforce Planning	Gov	WA
Sue Kennedy	AFCA ForestFit	Project Manager	Industry	National
Timber Truss and Frame Estimating and Design				

Name	Organisation	Position	Organisation Type / Size	State
Anne Wiltshire	Melbourne Polytechnic	Primary Industries Curriculum Maintenance Manager (PICMM)	Gov	VIC
Lucinda Pita	Training Curriculum Services – State Workforce Planning Dept of Training and Workforce Development	Senior Program Officer	Gov	WA
Arthur Potter	Universal Trusses		Industry	ACT
Phil Ladson	FTMA	Training Program Manager	Industry Association	National
Timber Merchandising				
Alicia Oelkers	TABMA	General Manager	Industry Association	NSW, QLD, VIC, SA, WA
Ann Sanfey	TMA	Manager	Industry Association	VIC
Anne Wiltshire	Melbourne Polytechnic	Primary Industries Curriculum Maintenance Manager (PICMM)	Gov	VIC
Julianne Henry	Dahlsens	Learning and Developing Manager	Industry	VIC
June Dunleavy	TABMA Training	General Manager - Training	RTO	NSW, QLD, VIC, SA, WA
Neil Sullivan	Independent Harware Group	Learning Solutions	Industry	VIC
Rani Thulsay	Department of Training and Workforce Development	Senior Program Officer, Training Curriculum Services State Workforce Planning	Gov	WA
Rob Rule	Timber Training Creswick	Managing Director	RTO	VIC

Validation Draft Feedback Contributors

Name	Organisation	Position	Organisation Type / Size	State
New Harvesting Technologies				
Anne Wiltshire	Melbourne Polytechnic	Primary Industries Curriculum Maintenance Manager (PICMM)	Gov	VIC
Bill Towie	Towie Timber Training	Director	RTO	WA
Ian McLeod	MTO Group Partner RTO	CEO	RTO	QLD
Joe Harris	Into Trees	Climber & Arborist	Industry	TAS
Kevin Nun	TAFE Gippsland	Trainer	RTO	VIC
Linda Cotterill	OneFortyOne	Pioneer	Industry	SA
Michael Quirk	Timber Training Creswick	Trainer	RTO	VIC
Peter Berry	Timber Training	Director	RTO	NSW
Rob Rule	Timber Training Creswick	Managing Director	RTO	VIC
Steve Smith	Steve Smith Chainsaw Training	Trainer	RTO	QLD
Tim Johnston	VAFI	CEO	Industry Association	VIC
Timber Truss and Frame Estimating and Design				
Phil Ladson	FTMA	Training Program Manager	Industry Association	National
Nathan Quarrell	Dahlsens	TAF Detailing Coordinator	Industry	VIC
Rob Rule	Timber Training Creswick	Managing Director	RTO	VIC
Brad Ridolfi	MiTek	Branch Manager - WA	Industry	WA
June Dunleavy	TABMA Training	General Manager	RTO	NSW, QLD, VIC, SA, WA
Timber Merchandising				

Name	Organisation	Position	Organisation Type / Size	State
Ann Sanfey	TMA	Manager	Industry Association	VIC
Anne Wiltshire	Melbourne Polytechnic	Primary Industries Curriculum Maintenance Manager (PICMM)	RTO	VIC
Julianne Henry	Dahlsens	Learning and Developing Manager	Industry	VIC
Rob Rule	Timber Training Creswick	Managing Director	RTO	VIC
Tim Johnston	VAFI	CEO	Industry Association	VIC
June Dunleavy	TABMA	General Manager	RTO	NSW, QLD, VIC, SA, WA

Other Participants

The following participants responded to an online poll to gather feedback on the final components as part of the Timber Truss and Frame Estimating and Design project.

Name	Organisation	Organisation Type / Size	State
Aaron Colli	Colli Truss & Frame	Industry	WA
Angela Ellis	Trussfab	Industry	VIC
Anita Weller	Pryda	Industry	VIC
Brad Ridolfi	Mitek	Industry	WA
Brendan Schneider	Sunbury Wallframes and Trusses Pty Limited	Industry	VIC
Brenden Summerfield	North West Frames & Trusses	Industry	NSW
Bruce McCulloch	Irons Truss and Timber	Industry	QLD
Chris Hay	Manufacturing Logistics Pty Ltd	Industry	QLD
Craig Ferguson	Gold Coast Timbers and Trusses	Industry	QLD
Danielle Brady	Westview Frames and Trusses	Industry	NSW

Name	Organisation	Organisation Type / Size	State
Danny Fleetwood	Multinail	Industry	VIC
David Proudford	Midcoast Timber Centres	Industry	QLD
Fred McDonald	Beaudesert Frame & Truss	Industry	QLD
Glen Opie	TRUSSTECH SA	Industry	SA
Glen Phillips	Country Truss Pty Ltd	Industry	VIC
Glenn Webb	Bunnings	Industry	National
Hayden Slatter	Not available	Industry	Not available
Jake De Boer	Supa-Truss Vic	Industry	VIC
Jamie Fleischfresser	King Truss	Industry	QLD
Jamie Walters	Banner Mitre 10	Industry	VIC
Jeff Hopkins	South pacific Roof Trusses	Industry	NSW
Jill Wray	Clare Building Supplies	Industry	SA
Julia E Hall	Pryda	Industry	VIC
Julie McDonald	Beaudesert Frame & Truss	Industry	QLD
Justin Flanagan	Calco Trusses and Timber	Industry	VIC
Mark Abfalter	MB Prefab Big River Group Pty Ltd	Industry	VIC
Mark Hull	MCM FRAME and Truss	Industry	NSW
Matthew Fleischfresser	King Truss	Industry	QLD
Michael Read	K&B Timber & Hardware P/L	Industry	VIC
Mike Cotton	McKay Timber	Industry	VIC
Nada Manoski	The Truss People	Industry	VIC
Nathan Quarrell	Dahlsens Building Centres	Industry	VIC
Neil Phillips	TRUSS - T - FRAME	Industry	NSW
Nick Fry	Riverstone Frame and Truss P/L	Industry	NSW
Paul Colless	Calco Trusses and Timber	Industry	VIC
Peter Garnett	Prospect Frame & Truss	Industry	NSW
Raymond Gurney	Prefab Technology	Industry	VIC

Name	Organisation	Organisation Type / Size	State
Robin Smith	Dynamic Timbers	Industry	QLD
Ross Glennie	TrussCorp Pty Ltd	Industry	QLD
Scott Ryland	becks frame and truss	Industry	TAS
Steve van Donselaar	Eco Truss Company	Industry	TAS
Trent Bucholz	Multinail	Industry	VIC

Face-to-face consultation activities

In addition to regular email and telephone contact with relevant stakeholders and Subject Matter Experts, the following face-to-face consultation activities have taken place as part of these projects.

Consultation Type	Organisation	Date	State
New Harvesting Technologies			
Videoconference	NSW ITAB	9-Dec-19	NSW
Meeting	Timberlands Pacific	5-Dec-19	TAS
Meeting	Mountain Logging	6-Dec-19	VIC
Teleconference	Subject Matter Experts Tree Felling	19-Nov-19	Not applicable
Workshop	Timber Training Creswick	7-Nov-19	VIC
Teleconference	Subject Matter Experts Environmental Care & Transport Logs Using Trucks	25-Oct-19	Not applicable
Teleconference	Subject Matter Experts Tree Felling & Cable Logging	24-Oct-19	Not applicable
Site Visit	Bennetts Logging	8-Sep-19	TAS
Site Visit	Forico	9-Sep-19	TAS
Site Visit	Les Walkden	10-Sep-19	TAS
Site Visit	Sustainable Timber Tasmania	11-Sep-19	TAS
Site Visit	TasTAFE	12-Sep-19	TAS
Site Visit	Timberlands Pacific	13-Sep-19	TAS
Meeting	HVP Melbourne Office	9-Sep-19	VIC

Consultation Type	Organisation	Date	State
Site Visit	HQPlantations	27-Aug-19	QLD
Site Visit	GMT Logging	26-Aug-19	QLD
Meeting	HVP Melbourne Office	30-Aug-19	VIC
Meeting	HVP Churchill Office Cable Logging	22-Aug-19	VIC
Meeting	HVP Churchill Office Environmental Care	22-Aug-19	VIC
Meeting	HVP Plantations Melbourne Office	21-Aug-19	VIC
Site Visit	LITA Training	30-Jul-19	SA
Site Visit	OneFortyOne Plantations	30-Jul-19	SA
Site Visit	LV Dohnt	30-Jul-19	SA
Meeting	Timber Training Creswick	5-Jul-19	VIC
Meeting/Phone call	AFCA	28-Jun-19	VIC
Meeting	ENSPEC	5-Jul-19	VIC
Timber Truss and Frame Estimating and Design			
Teleconference	FTMA, TABMA, Timber Training Creswick	4-Feb-20	Not applicable
Not applicable	FTMA Technical Forum	24 Feb 20 Note: Cancelled on 19 Feb due to the COVID 19 restrictions	Not Applicable
Meeting	FTMA	23-Jan-20	VIC
Videoconference	NSW ITAB	9-Dec-19	NSW
Workshop	Timber Training Creswick	7-Nov-19	VIC
Meeting	FTMA	23-Oct-19	VIC
Teleconference	Technical Advisory Committee	19-Sep-19	Not applicable
Workshop	Technical Advisory Committee	11-Sep-19	Not applicable
Site visit	Virginia Building Supplies, QLD	29-Aug-19	QLD

Consultation Type	Organisation	Date	State
Site visit	Advanced Truss Systems, QLD	29-Aug-19	QLD
Site visit	Bretts Hardware QLD	28-Aug-19	QLD
Meeting	FTMA	23-Aug-19	VIC
Site visit	Peuker & Alexander (Craigieburn Plant)	14-Aug-19	VIC
Site visit	Dahlsen (Campbellfield Plant)	13-Aug-19	VIC
Teleconference	Technical Advisory Committee	23-Jul-19	Not applicable
Meeting	FTMA	6-Jul-19	VIC
Meeting	FTMA	19-Jun-19	VIC
Timber Merchandising			
Videoconference	NSW ITAB	9-Dec-19	NSW
Meeting/phone call	TMA	18-Sep-19	VIC
Meeting/phone call	Australian Timber Importers Federation	17-Sep-19	NSW
Workshop	Timber Training Creswick	7-Nov-19	VIC
Meeting/phone call	Timber Training Creswick	4-Oct-19	VIC
Meeting/phone call	TABMA	9-Oct-19	NSW
Meeting/phone call	Hyne Timber	28-Aug-19	QLD
Meeting/phone call	Britton Timbers	28-Aug-19	TAS
Site visit	TABMA Training	27-Aug-19	QLD
Site visit	Bretts Timber and Hardware	27-Aug-19	QLD
Site visit	Independent Hardware Group	20-Aug-19	VIC
Site visit	Dahlsens	19-Aug-19	VIC
Meeting	TABMA	14-Aug-19	NSW
Site visit	Hazelwood & Hill	16-Jul-19	VIC
Meeting	TMA	2-Jul-19	VIC

Letters of Support

This section includes copies of the letter of support from project contributors including associations, industry experts, employers and training providers. The letters are grouped by project for ease of reference.

New Harvesting Technologies

Georgiana Daian

From: Gayle Quin <gayle.quin@tppl.com.au>
Sent: Monday, April 20, 2020 9:39 AM
To: Georgiana Daian
Subject: Training package review

Dear Georgiana,

Thank you to you and your team for the opportunity to provide information for the training package review for some of the harvesting units. It was good to be involved in the process and I appreciated how you kept us informed at every step of the review.

As a trainer and assessor in a previous role, it was good to see how units and packages are reviewed and the extensive consultation that occurs to ensure units remain relevant to industry.

Kind regards,

Gayle Quin

Quality and Risk Coordinator | Timberlands Pacific

Level 1, 113-115 Cimitiere Street, Launceston, TAS 7250

Mobile: +61 498 980 088 Phone: 03 6345 3223

Email: gayle.quin@tppl.com.au

Web: tppl.com.au



TIMBERLANDS
Pacific



Georgiana Daian

From: Linda Cotterill <Linda.Cotterill@onefortyone.com>
Sent: Monday, April 20, 2020 10:23 AM
To: Georgiana Daian
Subject: RE: Request for Letter of Support

Thanks

We were impressed by the project planning and in particular the steps taken to ensure the process was engaging and consultative.

Linda
Cotterill



Pioneer
OneFortyOne Green Triangle
M: [+61 4 5785 7294](tel:+61457857294)
DDI: [+61 8 8724 2799](tel:+61887242799)

Georgiana Daian

From: Gerard and Mandy Bennett <gmjbennett@bigpond.com>
Sent: Monday, April 27, 2020 5:57 PM
To: Georgiana Daian
Subject: RE: Request for Letter of Support

Hi Georgiana

I would just like to take the opportunity to thank you and your team for all your efforts during consultations involved with the training package project.

I would especially like to thank you all for making the process inclusive to industry participants, I know we are not the easiest bunch to deal with at times.

The possible resulting outcomes of the project really show us a positive way forward and I think that the majority of participants should be more than satisfied with the process.

The format and opportunity to provide input and receive feedback really does provide a working template on how to conduct these projects moving forward.

I understand that having interested parties all in the one place or room would be the ultimate workshop but this may never truly be practical even outside of the current landscape we are facing at the moment.

Once more I thank you for the chance to participate in a high quality and thoughtfully considered process and I hope I have the opportunity to be a part of more projects of this calibre in the future.

Please accept my thanks for your efforts and management of the project and I apologise if passions ran high at times but we all have a real passion for what we do as do you and your team.

Kind Regards
Gerard Bennett
(TP Bennett and Sons)

Georgiana Daian

From: Bill Towie <bill@ttimbertraining.com.au>
Sent: Monday, April 20, 2020 1:59 PM
To: Georgiana Daian
Cc: Peter Berry; Nunn, Kevin; June Dunleavy; Greg Howard; rob@timbertrainingcreswick.com.au; Terri Towie
Subject: LETTER OF SUPPORT - Training Package Project

Hello Georgiana,

On behalf of the Australian Timber Trainers Association (ATTA) and in particular those cc above, I want to thank you for taking up the opportunity to meet with the ATTA Executive in Melbourne in November 2019 and earlier this year in February (Michelle Clayton) to discuss and review in particular, the chainsaw and tree felling units in the training package review. Greg Howard, Kevin Nunn and Peter Berry at these meetings, and also two of our active ATTA members, Steve Smith and Ian McLeod, through teleconferences, phone calls and emails had considerable input and we are all now well satisfied with the final results. You would not get a more experienced and knowledgeable group participating.

I also commend you on the process. You gave everyone an opportunity to be involved, continued to provide ample and sufficient feedback and you ensured everyone's opinion was welcomed and valued. Best of all, you achieved solutions with many differing views!

We are looking forward to finalizing this project and wish you well with the endorsement and approvals process.

Kind Regards,

**Bill Towie (ATTA President)
Director**



☎ 0427 447 510
www.ttimbertraining.com.au

Georgiana Daian

From: Dave A Bowdern (DELWP) <David.Bowdern@delwp.vic.gov.au>
Sent: Wednesday, April 22, 2020 4:31 PM
To: Georgiana Daian
Cc: Felicity L Shanahan (DELWP)
Subject: RE: Request for Letter of Support

Hi Georgiana,

RE: Project to review units of competency from the Forest and Wood Products Training Package (FWP)

Firstly, thank you for all the hard work you and your colleagues have put into this project. There was many a time on our large group phone conference sessions when I did not envy your position of having to chair and collate the copious amounts of information being fired around. Great work.

To be included in this project was a great lesson in collaboration across the sector. I enjoyed the review finding it (in part) a great chance to see where the industry is at and watching it develop new ideas / theories to meet ever changing practices. Unfortunately, the fire season as it was took me away from the later sessions but as always the chance to contribute in some of the later discussion in the tree faller units provided me with the ability to input where required.

Was happy with project outcomes considering (as with most sectors I'm sure) there is often differences between States or certain industries. I found some of the very robust discussion on what was often the fine detail of a particular skill set, was allowed to freely flow for us to eventually come to a group consensus. As always, there will be some divisions however I believe that all outcomes in the main, were in good faith and within the framework of an excellent training and assessment package. In short the review and its changes / updates will meet our sector and RTO requirements.

In the initial stages of the review I found it interesting that the Arboriculture sector were looking for some inclusions to the package, that may have seen changes not suited to the nature of the Forest and woods product package. Interesting, in that how with a lack of due diligence we could make changes that would / could hamper what and how we train. I believe that out of that discussion a good outcome was sort for the arboriculture sector, although that was at the time when the fire season took my focus.

Thank you again for your efforts and commitment into this review, More than happy to be involved in the next round.

Cheers,

Dave Bowdern | Senior Technical Training Officer | Workforce Development / Forest Fire Management
Forest, Fire and Regions | Department of Environment, Land, Water and Planning
5 Binns McCraes Rd Alexandra, Victoria, 3714
T: 03 57 720 262 | M: 0428 997 906 | E: david.bowdern@delwp.vic.gov.au

Georgiana Daian

From: David Priem <David.Priem@tafensw.edu.au>
Sent: Tuesday, April 21, 2020 4:30 PM
To: Georgiana Daian
Subject: Letter of Support_Training package project_New Harvesting Technologies

Dear Georgiana

Please accept my congratulations on the way you consult and include industry in deliberations around training package development and improvements. I find the email and web page invitations/notifications seeking contributions to be very effective. This project involved a very difficult period in relation to bushfire impact on the industry but I found the approach to be appropriately sensitive and accommodating.

I am happy with the project outcomes, which I believe meet NSW forest industry requirements and TAFE NSW needs, and I commend it for submission to the AISC for their approval.

Regards,

David Priem
Industry Relationship Lead – Land Management
Agribusiness SkillsPoint
M +61 428 424234
E david.priem@tafensw.edu.au
TAFE NSW
Neville Place Griffith 2680
rit.tafensw.edu.au

Georgiana Daian

From: Eastley, Keith J <keith.eastley@TasTAFE.tas.edu.au>
Sent: Thursday, April 23, 2020 9:48 AM
To: Georgiana Daian
Cc: 'gerard@bennettslogging.com'; Owens, Gary A; Towns, Jason L; Hutton, Peter A
Subject: RE: Request for Letter of Support

Hi Georgiana

I would like to thank you and your crew for allowing us the opportunity to comment on the way units are written. In the past, several units have been written to where they were difficult to comply with and you gave us the opportunity to correct these.

Maybe a face to face meeting with those involved commenting on units before they are finalised, would iron out any issues people may be concerned with.

Also, I think people commenting on these units, must be able to prove their industry experience in the unit they are commenting on.

I think this program should be ongoing and include training packages as in trying to iron out problems that exist delivering certificate 3 and 4 in some occupations within the timber industry.

Cheers

Keith Eastley

Teacher/Assessor

Primary Industries NW

41- 43 Mooreville Road, Burnie TAS 7320 | PO Box 1234, Burnie TAS 7320

p 03 6477 7482 | m 0419 581 330 | e Keith.Eastley@tastafe.tas.edu.au

www.tastafe.tas.edu.au





Smith Training & Development Pty Ltd
PO Box 50, Gunalda, Qld, 4570
Phone: 0418 130 475
RTO 30129

ForestWorks
PO Box 612
North Melbourne
[Vic 3051](#)

20th April 2020

Hello Georgiana,

We wish to thank you for the opportunity to provide input to the various Units of Competency which are the mainstay for Training and Assessing within our RTO.

We are in awe of your ability to compile and communicate differing views, negotiating with the numerous parties involved, to provide positive, effective and workable outcomes for each Unit of Competency.

Kind regards
Steve Smith
0408 711 704

Timber Truss and Frame Estimating and Design



Frame & Truss Manufacturers
Association of Australia Ltd
PO Box 703, Healesville Vic 3777
Telephone: 03 5962 3453
Mobile: 0418 226 242
Fax: 03 5962 3463

20th April 2020

To Whom It May Concern: Support for Timber Truss & Frame Estimating and Design Project

The Frame & Truss Manufacturers Association of Australia Ltd (FTMA Australia) is an independent, national organisation representing fabricators of and suppliers to the timber prefabricated timber truss and wall frame industry in all Australian States.

The major aims of the FTMA Australia is to provide a unified voice, to protect and advance our industry and to be involved in the setting of standards and guidelines that serve as benchmarks for all those who deal with our industry.

Therefore, it was imperative that we work with Skills Impact and ForestWorks on the revision of the Timber Truss & Frame Estimating and Design Project.

As part of this process we had our training officer, Phil Ladson, accompany ForestWorks delegates on a tour of frame and truss plants in Victoria, New South Wales and Queensland to ensure feedback was provided directly by fabricators on the training requirements of their business.

At every stage throughout this process, we ensured the entire network of Australian timber frame and truss plants were updated and given the opportunity to provide feedback on the proposed training package changes.

We created a survey to make things easier and we were pleased that we received fantastic input from fabricators throughout the country.

Unfortunately, due to COVID-19 we were unable to hold face to face meetings that were planned; however, this did not stop the calls, emails and notifications to ensure our industry was on board with the planned changes as part of the project.

We were extremely impressed with the communication from ForestWorks and Skills Impact and are pleased with the final recommendations.

If you have any further questions please give FTMA Training Officer, Phil Ladson a call on 0447 077 591.

Yours truly

KERSTEN GENTLE
Executive Officer
FTMA Australia

Our Gold Sponsors

MiTek

MULTINAIL

pryda

Email: kersten@ftma.com.au
www.ftmanews.com
A.B.N. 31 117 340 986

Georgiana Daian

From: Anita Day <Anita.Day@multinail.com>
Sent: Thursday, April 23, 2020 8:41 AM
To: Georgiana Daian
Subject: Letter of Support

To whom it may concern,

I was recently involved with the project to look at refreshing and updating the current certification for Frame and Trusses. I believe this was a very important and much needed project. Working with other members of our industry, from trainers, Nail plates, Machinery and software suppliers to Timber system designers allowed for open and honest communication of the needs on all sides of the fence. During the process we received regular updates and all opinions were listened to and discussed, and the outcome reflect the general opinions of the group.

As a trainer for a supplier, who once lead a team a Timber Designers, I believe the new course structures will better suit our customers, and actually be inline with the work they will be doing. This will lead to a better skilled workforce in our country, which is sadly lacking currently. I have in the past completed a Cert IV in Frames and Trusses, and I wish that the proposed changes had been made at that time, I would have gotten a lot more out of it.

Thank you for considering these changes, which are in line with the Industry needs and expectations.

Anita Day

Training Development Officer
Multinail

Georgiana Daian

From: Weller, Anita <aweller@prydaanz.com>
Sent: Thursday, April 23, 2020 3:09 PM
To: Georgiana Daian
Subject: RE: Request for Letter of Support

Hi Georgiana,

Thanks for your email.

From a nailplate supplier perspective, we are really pleased to have been involved in this process and for our customers to be consulted as well. I feel that the outcome of more relevant courses for our industry will have long term benefits in terms of onboarding and retaining skilled staff.

I was impressed with the process for reviewing the existing courses and proposing the revised/new courses – and the way the team researched the industry and then presented options and solutions to the team to review. I feel that my feedback was taken into consideration and the outcome is a much more relevant set of courses than we had previously.

Thanks for giving us the opportunity to be involved.

Kind regards
Anita Weller
Technical Writer

Residential Division
ITW Construction, Asia Pacific
A: 153-187 Discovery Road, Dandenong South, VIC 3175
M: +61 (0)407 893 439
E: aweller@prydaanz.com



SAFETY 1ST BE ALERT, DON'T GET HURT

From: Nathan Quarrell <tafdetailingco@dahlsens.com.au>
Subject: RE: Timber Truss and Frame Estimating and Design Project validation commencement
Date: 30 March 2020 at 4:12:20 pm AEST
To: Training Package <trainingpackage@forestworks.com.au>

Hi Maree

Hope all is well, I have reviewed the attached documents and I'm happy with the content.

Cheers

Nathan Quarrell
TAF Detailing Coordinator

Dahlsens SINCE 1877 For the Builder.

MiTek Australia Ltd.
ABN 98 004 564 587
Unit 5/348 Richmond Road, Netley SA 5037
Office: +61 8 8234 1326
Website: www.mitek.com.au

MiTek
Asia Pacific

Monday, 27 April 2020

Dear Georgiana

Thank you to you and your team for the work you have undertaken to create the Timber Systems Design Certificate Courses. It was a pleasure to be involved in the process and very grateful that you allowed industry input. It will be a huge boost to the standard of quality provided by the Truss and Frame Industry and Construction in general.

Kind Regards

Cathy Fraser

State Manager SA

Ph: 0402 114 117

Georgiana Daian

From: Cris Garcia <Cris@advancedtruss.com>
Sent: Tuesday, April 21, 2020 10:47 AM
To: Georgiana Daian
Subject: RE: Request for Letter of Support

Good morning,

No worries.

I fully support the recognition of the skillsets required to become Timber Systems Designer.

As for any curricula, there has to be a balance of theory and practical courses in addition to industry standards pre-qualification courses.

What the Technical Advisory Committee achieved is to generate, promote, and educate the timber industry at the foundation level.

Additionally, this will give current employees the chance to understand the mechanics of the products they are producing, wall frames, roof trusses, etc.

Education, training and continuous improvement to process, product development and quality systems are critical success factors for the timber industry.

The committee's approach to update the incumbent courses, is a step to recognise the essential skills required to educate current timber industry workers and introduce the new generation of Timber Systems Designers.

Kind Regards,

Cris Garcia
Timber Systems Designer | TMIEAust

Ph: 07 3899 0511 | Fax: 07 3899 0781
Shed 2, 35 Manton St, Morningside QLD 4170
PO Box 453, Morningside QLD 4170

advancedtruss.com



Timber Merchandising

Georgiana Daian

From: Julianne Henry <jhenry@dahlsens.com.au>
Sent: Monday, February 3, 2020 1:53 PM
To: Georgiana Daian
Subject: RE: Changes to the national qualifications for timber supply
Attachments: Summary of Changes and Feedback Form.docx

Hi Georgiana,

Please find attached my brief review. I haven't delved into the individual units as I haven't had enough exposure in those. Definitely feel the Cert III will be an asset for all our staff in our Trade store.
Well done.

Julianne

Julianne Henry
Learning and Development Manager

Dahlsens SINCE 1877 For the Builder.

Dahlsens Building Centres Pty Ltd. Unit 3, 10 Ferntree Place, Notting Hill Vic 3168
P. 0429 725 045 F. 03 8831 8399 M. 0429 725 045 www.dahlsens.com.au

THANK YOU FOR CHOOSING DAHLENS.

Georgiana Daian

From: Neil Sullivan <Neil.Sullivan@mitre10.com.au>
Sent: Monday, February 3, 2020 5:25 PM
To: Georgiana Daian
Subject: RE: Changes to the national qualifications for timber supply

Hi Georgia,

Thanks for the opportunity to provide feedback.
The draft qualifications look great. I believe you have included all relevant information and built some really good competencies which will measure a participants skills in the industry.
I agree with all the proposed changes in the draft qualifications.

Regards,
Neil.

Neil Sullivan
Learning Solutions

Independent Hardware Group | 19 Corporate Drive Heatherton Victoria 3202
M: 0447 803 500 | E: Neil.Sullivan@mitre10.com.au



Participants across multiple projects



PO Box 215
Moore Street
Creswick, VIC 3363
P: (03) 5345 2018 F: (03) 5345 1198
www.timbertrainingcreswick.com.au
ABN 57 005 752 689

Attn Dr Georgiana Daian
Head of Skills Standards Development
Forestworks
PO Box 612 North Melbourne Vic 3051

21 April 2020

Georgiana

RE: Support for FWP Training Package Changes

Over the last 12 months Timber Training Creswick has been involved along with industry in updating and improving the FWP training package.

Specific projects that I and my trainers have been involved in include:

- New harvesting technologies
- Timber truss and frame estimating and design
- Timber merchandising and supply chains

I believe that the outcomes arrived at in each of these projects will benefit the various sectors of the forest and timber industries and improve training outcomes for learners.

Thank you for the opportunity for myself and our staff to participate in these projects.

I hope that the negotiated outcomes can be swiftly integrated into the training package so that industry can rapidly start to see the benefits from the improvements.

Sincerely

Rob Rule

Manager/ Company Secretary

ABN 57 005 752 689



23rd April, 2020.

Dr. Georgiana Daian
Head of Skills Standards Development
ForestWorks

Dear Georgiana,

Forest and Timber Industry Training Package Project

The TABMA Group would like to express our appreciation to ForestWorks for allowing us to be involved in 2 projects relating to our industry which included Timber Merchandising and Timber Truss and Frame Design and Estimating.

There were extensive ongoing opportunities to participate in both of the projects. The proposed qualification formats with core and electives chosen are, we believe, meeting the needs of our industry.

All of our feedback was welcomed and considered with regular ongoing communication occurring as the projects progressed.

When we had a difference of opinion regarding the Certificate 3 level qualification for frame and truss design and estimating, our opinions and that of the other key RTO involved (Timber Training Creswick) were acknowledged and incorporated into the final draft programs.

Overall, we consider that our input was valued and taken into account in all project considerations.

Thank you for the opportunity of being involved.

Yours Sincerely,



Dr June Dunleavy
General Manager
TABMA Training

TABMA (a business name of Timber & Building Materials Association (Aust) Ltd ABN 12 000 045 956)
T: 1800 822 621 | www.tabma.com.au | E: info@tabma.com.au
Level 1/154 Pacific Highway, St Leonards NSW 2065 | PO Box 518, St Leonards NSW 1590
TABMA Qld (a business name of Timber & Building Materials Association (Qld) Pty Ltd
ABN 28 697 975 100
T: 1 300 693 483 | www.tabma.com.au | E: info-qld@tabma.com.au
Unit L1 08 Bldg G2/385 Sherwood Road, Rocklea Qld | PO Box 185,
Brisbane Markets Qld 4106

TABMA Apprentices & Trainees (a business name of TABMA Workforce & Career Development Pty Ltd ABN 15 003 968 465)
T: 1800 822 621 | www.tabmaat.com.au | E: info@tabma.com.au
Level 1, 154 Pacific Highway, St Leonards NSW 2065 | PO Box 518, St Leonards NSW 1590
TABMA Training (a business name of RTEC Australia Pty Ltd ABN 39 437 836 100)
T: 1 300 693 483 | www.tabmatraining.edu.au | E: info@tabmatraining.edu.au
Unit L1 08, Bldg G2/385 Sherwood Road, Rocklea Qld 4106 | PO Box 185,
Brisbane Markets Qld 4106

Appendix 3: Minor updates

The Forest Management and Harvesting, Timber and Wood Processing and Timber Building Solutions IRCs approved the following changes as a minor update. These components have not been submitted for endorsement but will be released as part of the *FWP Forest and Wood Products Training Package Version 6.0*.

a. List of qualifications

<i>FWP Forest and Wood Products Training Package Version 6.0</i> Qualifications	
Code	Title
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 Panels
FWP20516	Certificate II in Timber Manufactured Products
FWP30116	Certificate III in Forest Growing and Management
FWP30216	Certificate III in Harvesting and Haulage
FWP30316	Certificate III in Sawmilling and Processing
FWP30516	Certificate III in Timber Manufactured Products
FWP31019	Certificate III in Saw Technology
FWP31119	Certificate III in Wood Machining
FWO40116	Certificate IV in Forest Operations
FWP40216	Certificate IV in Timber Processing

b. List of skill sets

<i>FWP Forest and Wood Products Training Package Version 6.0</i> Skill Set	
Code	Title
FWPSS00030	Skill set for a finger jointing grader operator

c. List of units of competency

<i>FWP Forest and Wood Products Training Package Version 6.0</i> Unit of Competency	
Code	Title
FWPCOT3278	Sharpen cutters in head using a straight knife grinder

d. Mapping information

Mapping of qualifications

Mapping of qualifications between <i>FWP Forest and Wood Products Training Package Versions 5.0 and 6.0</i>			
Code and title (previous version)	Code and title (current version)	Comments	Equivalence statement
FWP20116 Certificate II in Forest Growing and Management Release 2	FWP20116 Certificate II in Forest Growing and Management Release 3	Updated to include revised units and superseded and deleted imported units	Equivalent
FWP20216 Certificate II in Harvesting and Haulage Release 2	FWP20216 Certificate II in Harvesting and Haulage Release 3	Updated to include revised units and superseded and deleted imported units	Equivalent
FWP20316 Certificate II in Sawmilling and Processing Release 3	FWP20316 Certificate II in Sawmilling and Processing Release 4	Updated to include revised FWP elective units	Equivalent
FWP20416 Certificate II in Wood Panel Products Release 3	FWP20416 Certificate II in Wood Panel Products Release 4	Updated to include revised FWP elective units	Equivalent
FWP20516 Certificate II in Timber Manufactured Products Release 3	FWP20516 Certificate II in Timber Manufactured Products Release 4	Updated to include revised FWP elective units	Equivalent
FWP30116 Certificate III in Forest Growing and Management Release 2	FWP30116 Certificate III in Forest Growing and Management Release 3	Updated to include revised units and superseded imported units	Equivalent
FWP30216 Certificate III in Harvesting and Haulage Release 2	FWP30216 Certificate III in Harvesting and Haulage Release 3	Updated to include revised and new units as well as superseded imported units	Equivalent
FWP30316 Certificate III in Sawmilling and Processing Release 2	FWP30316 Certificate III in Sawmilling and Processing Release 3	Updated to include revised FWP elective units	Equivalent

Mapping of qualifications between <i>FWP Forest and Wood Products Training Package Versions 5.0 and 6.0</i>			
Code and title (previous version)	Code and title (current version)	Comments	Equivalence statement
FWP30516 Certificate III in Timber Manufactured Products Release 3	FWP30516 Certificate III in Timber Manufactured Products Release 4	Updated to include revised FWP elective units New elective units added	Equivalent
FWP31019 Certificate III in Saw Technology Release 1	FWP31019 Certificate III in Saw Technology Release 2	Updated to include revised elective unit	Equivalent
FWP31119 Certificate III in Wood Machining Release 1	FWP31119 Certificate III in Wood Machining Release 2	Updated to include FWP revised elective units	Equivalent
FWP40116 Certificate IV in Forest Operations Release 1	FWP40116 Certificate IV in Forest Operations Release 2	Updated to include revised units and amend superseded and deleted imported units	Equivalent
FWP40216 Certificate IV in Timber Processing Release 3	FWP40216 Certificate IV in Timber Processing Release 4	Updated to include revised units Additional electives added	Equivalent

Mapping of skill set

Mapping of Skill Set between <i>FWP Forest and Wood Products Training Package Versions 5.0 and 6.0</i>			
Code and title (previous version)	Code and title (current version)	Comments	Equivalence statement
FWPSS00030 (Release 2)	FWPSS00030 (Release 3)	Updated skill set to replace superseded unit FWPCOT2210 Tally material with FWPCOT2260 Tally material	Equivalent

Mapping of unit of competency

Mapping of Unit of Competency between <i>FWP Forest and Wood Products Training Package Versions 5.0 and 6.0</i>			
Code and title (previous version)	Code and title (current version)	Comments	Equivalence statement
FWPCOT3278 Sharpen cutters in	FWPCOT3278 Sharpen cutters	Minor edit to Application	Equivalent

Mapping of Unit of Competency between <i>FWP Forest and Wood Products Training Package Versions 5.0 and 6.0</i>			
Code and title (previous version)	Code and title (current version)	Comments	Equivalence statement
head using a straight knife grinder Release 1	in head using a straight knife grinder Release 2		

Appendix 5: Quality assurance report

Section 1

Information required	Detail
Training Package title and code	FWP Forest and Wood Products Training Package Version 6.0
Number of new qualifications and their titles ¹	Nil
Number of revised qualifications and their titles	Four revised qualifications: <ul style="list-style-type: none"> FWP30620 Certificate III in Timber Building Products Supply FWP30920 Certificate III in Timber Frame or Truss Manufacture FWP31020 Certificate III in Timber Systems Design FWP40420 Certificate IV in Timber Systems Design.
Number of new units of competency and their titles	Six new units: <ul style="list-style-type: none"> FWPCOT3317 Use chainsaw within a tree FWPCOT3318 Access, capture and communicate forestry field data using mobile devices FWPCOT3319 Read and interpret digital maps and forest operation plans FWPHAR3232 Operate harvesting machine with winch-assist system FWPHAR3233 Use mechanised equipment for forestry site preparation on steep slopes FWPTMM3215 Work effectively in the timber systems design industry.
Number of revised units of competency and their titles	Fifty-six revised units, see appendix.
Confirmation that the panel member is independent of: <ul style="list-style-type: none"> the Training Package or Training Package components review ('Yes' or 'No') development and/or validation activities associated with the Case for Endorsement ('Yes' or 'No') undertaking the Equity and/or Editorial Reports for the training package products that are the subject of this quality report ('Yes' or 'No') 	<p>Yes</p> <p>Yes</p> <p>Yes</p>

¹ When the number of training products is high the titles can be presented as an attached list.

Information required	Detail
Confirmation of the Training Packages or components thereof being compliant with the <i>Standards for Training Packages 2012</i>	Yes
Confirmation of the Training Packages or components thereof being compliant with the <i>Training Package Products Policy</i>	Yes
Confirmation of the Training Packages or components thereof being compliant with the <i>Training Package Development and Endorsement Process Policy</i>	Yes
Panel member's view about whether: the evidence of consultation and validation process being fit for purpose and commensurate with the scope estimated impact of the proposed changes is sufficient and convincing	Yes
Name of panel member completing Quality Report	Lina Robinson
Date of completion of the Quality Report	16 June 2020

Section 2 – Compliance with the Standards for Training Packages 2012

Standards for Training Packages	Standard met 'yes' or 'no'	Evidence supporting the statement of compliance or noncompliance (including evidence from equity and editorial reports)
<p>Standard 1</p> <p>Training Packages consist of the following:</p> <ol style="list-style-type: none"> 1. AISC endorsed components: <ul style="list-style-type: none"> • qualifications • units of competency • assessment requirements (associated with each unit of competency) • credit arrangements 2. One or more quality assured companion volumes 		<p>The training package components for this quality review consisted of:</p> <ul style="list-style-type: none"> • four revised qualifications • sixty-two (six new and fifty-six revised) units of competency • sixty-two (six new and fifty-six revised) assessment requirements associated with each unit of competency • a companion volume implementation guide updated to Version 6.0 • credit arrangements advising that 'at the time of endorsement of this training package, no national credit arrangements exist'.
<p>Standard 2</p> <p>Training Package developers comply with the <i>Training Package Products Policy</i></p>	Yes	<p>The training products presented comply with the <i>Training Package Products Policy</i>.</p> <p>Foundation skills – Foundation skills were identifiable in the units of competency, however where not explicitly described in the performance criteria, are listed in the foundation skills field of the unit. An explanation on foundation skills is provided in the FWP Companion Volume Implementation Guide Version 6.0.</p> <p>Access and equity - The FWP Companion Volume Implementation Guide V6.0 provides advice on access and equity consideration including reasonable adjustment for learners with disabilities. This was confirmed in the Equity Report.</p> <p>Unit of competency -coding and titling - The newly developed and revised units of competency are all coded according to the policy.</p> <p>Units of competency – pre-requisites – There are no pre-requisites for any of the units presented for this submission.</p> <p>Units of competency - mapping – Mapping to the previous version of the units of competency is provided within the units and mapping table in the FWP Companion Volume Implementation Guide V6.0.</p> <p>Units of competency – determining equivalence -An equivalence statement is included for all unit of competency mapping.</p> <p>Units of competency – coding and titling maintenance – The coding and titling for revised units comply with the policy.</p>

Standards for Training Packages	Standard met 'yes' or 'no'	Evidence supporting the statement of compliance or noncompliance (including evidence from equity and editorial reports)
		<p>Qualifications - entry requirements – There are no entry requirements for the revised qualifications</p> <p>Qualifications - mapping – Mapping to the previous version of the qualifications is provided within the qualification and the FWP Companion Volume Implementation Guide V6.0.</p> <p>Qualifications – determining equivalence - The revised qualifications comply with this policy.</p> <p>Qualifications – coding and titling maintenance – The revised qualifications comply with the policy.</p>
<p>Standard 3</p> <p>Training Package developers comply with the <i>AISC Training Package Development and Endorsement Process Policy</i></p>	<p>Yes</p>	<p>The development processes undertaken by the developers as described in the case for endorsement comply with the <i>AISC Training Package Development and Endorsement Process Policy</i>.</p> <p>The submission addresses two cases for change (Reference numbers: Skills Impact/TPD/2018-19/003 and Skills Impact/TPD/2018-19/006) submitted on behalf of the Forest Management and Harvesting and Timber Building Solutions Industry Reference Committees and approved on 26 March 2019 for the following priority training package development areas undertaken as separate projects:</p> <ul style="list-style-type: none"> • New Timber Harvesting Technologies: Review 31 units of competency from 4 FWP qualifications • Timber Truss and Frame Estimating and Design: Update three qualifications and 39 units of competency and develop 2 new skill sets • Timber Merchandising: Review 2 qualifications and 8 units of competency. <p>The case for endorsement describes the national consultation and validation processes undertaken for each project in great detail, which included the following communication strategies: face to face meetings, including subject matter expert meetings, functional analysis workshops, consultation on Draft 1 workshops, validation meetings; teleconferences, emails, individual phone calls, newsletters and updates and drafts being available on Skills Impact website and external publications. Lists of individuals and organisations who formed part of subject matter expert working groups and those who</p>

Standards for Training Packages	Standard met 'yes' or 'no'	Evidence supporting the statement of compliance or noncompliance (including evidence from equity and editorial reports)
		attended consultation meetings for each project are also included in the appendices. Letters of support from a number of key stakeholders are also included. There were no 'reports by exception'.
Standard 4 Units of competency specify the standards of performance required in the workplace	Yes	The evidence provided of the consultation and validation processes indicates that they were appropriate for the scope of the projects against the coverage of the industry sectors, demonstrating that the FWP units of competency specify the standards of performance required in the workplace.
Standard 5 The structure of units of competency complies with the unit of competency template	Yes	The editorial report confirmed the structure of the units of competency complies with the required template. The units reviewed for the quality report are clearly written with specific detailed performance criteria aligned logically to the elements. Some suggestions were provided to and addressed by the developer during this review.
Standard 6 Assessment requirements specify the evidence and required conditions for assessment	Yes	The assessment requirements clearly specify the frequency and/or volume of performance evidence, the depth and breadth of knowledge evidence and required conditions to collect this evidence.
Standard 7 Every unit of competency has associated assessment requirements. The structure of assessment requirements complies with the assessment requirements template	Yes	The editorial report confirmed the structure of the assessment requirements complies with the required template.
Standard 8 Qualifications comply with the Australian Qualifications Framework specification for that qualification type	Yes	The four revised qualifications being submitted for endorsement comply with this standard.
Standard 9 The structure of the information for the Australian Qualifications Framework qualification complies with the qualification template	Yes	The four revised qualifications comply with this standard.
Standard 10 Credit arrangements existing between Training Package qualifications and Higher Education qualifications are listed in a format	Yes	Details that advise that 'at the time of endorsement of this training package, no national credit arrangements exist' appear in the case for endorsement in the required template.

Standards for Training Packages	Standard met 'yes' or 'no'	Evidence supporting the statement of compliance or noncompliance (including evidence from equity and editorial reports)
that complies with the credit arrangements template		
Standard 11 A quality assured companion volume implementation guide produced by the Training Package developer is available at the time of endorsement and complies with the companion volume implementation guide template.	Yes	The editorial report confirmed the FWP Companion Volume Implementation Guide V6.0 complies with the required template and updated to include the training package components presented in this submission.
Standard 12 Training Package developers produce other quality assured companion volumes to meet the needs of their stakeholders as required.	Yes	Yes, however no other quality assured companion volumes beside the implementation guide were required by stakeholders.

Section 3 – Compliance with the training package quality principles

Note: not all training package quality principles might be applicable to every training package or its components. Please provide a supporting statement/evidence of compliance or non-compliance against each principle.

Quality principle 1. Reflect identified workforce outcomes

Key features	Quality principle is met: Yes / No or N/A	Evidence demonstrating compliance/non compliance with the quality principle Please see examples of evidence in the <i>Training Package Development and Endorsement Process Policy</i>
Driven by industry's needs	Yes	The components of FWP V6.0 demonstrate a clear link from the <i>Forest and Wood Products Industry Sector Industry Reference Committee Skills Forecast and Proposed Schedule of Work 2019-2022</i> and cases for change (Reference numbers: Skills Impact/TPD/2018-19/003 and Skills Impact/TPD/2018-19/006) submitted on behalf of the Forest Management and Harvesting and Timber Building Solutions Industry Reference Committees and approved on 26 March 2019 in addressing skill development priorities for following industry sector areas: <ul style="list-style-type: none"> timber harvesting technologies timber truss and frame estimating and design timber merchandising.
Compliant and responds to government policy initiatives Training package component responds to the COAG Industry and Skills Council's (CISC) training package-related initiatives or directions, in particular the 2015 training package reforms. Please specify which of the following CISC reforms are relevant to the training product and identify supporting evidence: <ul style="list-style-type: none"> ensure obsolete and superfluous qualifications are removed from the system ensure that more information about industry's expectations of training delivery is available 	Yes	The FWP training package components are compliant with the <i>Standards for Training Packages 2012, the Training Package Products Policy and the Training Package Development and Endorsement Process Policy</i> . FWP Version 6.0 responds to all the Ministers' policy initiatives, in particular the following 2015 training package reforms: <ul style="list-style-type: none"> identified five qualifications and two units of competency for deletion due to low training demand consolidated eight units of competency into four units, and supersedes one existing unit of competency through incorporation of skills and knowledge into two existing units to minimise and remove duplication

Key features	Quality principle is met: Yes / No or N/A	Evidence demonstrating compliance/non compliance with the quality principle Please see examples of evidence in <i>the Training Package Development and Endorsement Process Policy</i>
<p>to training providers to improve their delivery and to consumers to enable more informed course choices</p> <ul style="list-style-type: none"> • ensure that the training system better supports individuals to move easily from one related occupation to another • improve the efficiency of the training system by creating units that can be owned and used by multiple industry sectors • foster greater recognition of skill sets 		<ul style="list-style-type: none"> • distinguishes between job roles of timber systems designers and manufactures with separate qualifications, and provides pathway from entry level system designers (estimators) to more senior detailers • newly developed units of competency can be used across multiple forest and wood product industry areas • five new skill sets have been developed to support industry needs in developing technical skills related a job function and provide a pathway into the <i>FWP30920 Certificate III in Timber Frame or Truss Manufacture</i> • information about industry's expectations of training delivery and pathways is available in the updated FWP Companion Volume Implementation Guide V6.0.
Reflect contemporary work organisation and job profiles incorporating a future orientation	Yes	The case for endorsement details open and inclusive consultation and validation processes that is considered to be appropriate for the coverage of the industry sectors.

Quality principle 2: Support portability of skills and competencies including reflecting licensing and regulatory requirements

Key features	Quality principle is met: Yes / No or N/A	Evidence demonstrating compliance with the quality principle Please see examples of evidence in the <i>Training Package Development and Endorsement Process Policy</i>
Support movement of skills within and across organisations and sectors	Yes	The FWP components presented in this submission support the attainment of skills and knowledge in a range of forest and woods products environments and sectors. A career pathway diagram is included in the FWP Companion Volume Implementation Guide V6.0 that shows the movement within and across forest and wood products industry sectors. Also included is advice on selecting electives to enable different occupational outcomes when packaging qualifications.
Promote national and international portability	Yes	Applicable codes of practice and Australian standards relating to sustainable forest management of wood production forests and for the engineering and design of timber building systems are included in the relevant unit of competencies as well as listed in the FWP Companion Volume Implementation Guide V6.0.
Reflect regulatory requirements and licensing	N/A	No occupational regulatory and licensing requirements apply to FWP V6.0 components being submitted for endorsement.

Quality principle 3: Reflect national agreement about the core transferable skills and core job-specific skills required for job roles as identified by industry

Key features	Quality principle is met: Yes / No or N/A	Evidence demonstrating compliance with the quality principle Please see examples of evidence in the <i>Training Package Development and Endorsement Process Policy</i>
Reflect national consensus	Yes	Evidence of active engagement across industry to achieve a national consensus about the advice provided to the ASIC is reflected in the case for endorsement that provides evidence of consultation and validation processes, and their outcomes.
Recognise convergence and connectivity of skills	Yes	The FWP units of competency support the attainment of skills and knowledge in a range of forestry and wood product processing environments. This includes the 6 newly developed units which are incorporated across one or more of the revised qualifications that are included in this submission.

Quality principle 4: Be flexible to meet the diversity of individual and employer needs including the capacity to adapt to changing job roles and workplaces

Key features	Quality principle is met: Yes / No or N/A	Evidence demonstrating compliance with the quality principle Please see examples of evidence in the <i>Training Package Development and Endorsement Process Policy</i>
Meet the diversity of individual and employer needs	Yes	<p>The revised FWP qualifications included in this submission contain a core and range of elective units to meet the needs of individuals and employers based in diverse geographic regions covering different forestry and wood product demands.</p> <p>For example, the basic, intermediate and advanced terminology used by industry in the following units of competency refers to the characteristics of trees and the fact that the tree determines the type of cutting techniques required to complete the task:</p> <ul style="list-style-type: none"> • FWPCOT2253 Fell trees manually (basic) • FWPFGM3216 Fell trees manually (intermediate) • FWPFGM3217 Fell trees manually (advanced) • FWPHAR3205 Harvest trees manually (intermediate) • FWPHAR3209 Harvest trees manually (advanced) <p>The procedure is the same, but the site conditions (tree characteristics and their environment, including the risk involved) and the cutting techniques are different in the application of these units.</p>
Support equitable access and progression of learners	Yes	None of the FWP units of competency have pre-requisites.

Quality principle 5: Facilitate recognition of an individual's skills and knowledge and support movement between the school, vocational education and higher education sectors

Key features	Quality principle is met: Yes / No or N/A	Evidence demonstrating compliance with the quality principle Please see examples of evidence in the <i>Training Package Development and Endorsement Process Policy</i>
Support learner transition between education sectors	Yes	<p>Information for delivery to secondary students and apprenticeships/traineeship arrangements is provided in the updated FWP V6.0 Companion Volume Implementation Guide.</p> <p>The <i>FWP30620 Certificate III in Timber Building Products Supply</i> and <i>FWP31020 Certificate III in Timber Systems Design</i> are considered suitable for delivery to secondary students, and all revised qualifications included in this submission are considered suitable to be undertaken as an Australian Apprenticeship.</p> <p>The FWP units of competency and skill sets facilitate movement from entry into work and from work into VET.</p>

Quality principle 6: Support interpretation by training providers and others through the use of simple, concise language and clear articulation of assessment requirements

Key features	Quality principle is met: Yes / No or N/A	Evidence demonstrating compliance with the quality principle Please see examples of evidence in the <i>Training Package Development and Endorsement Process Policy</i>
Support implementation across a range of settings	Yes	Advice about delivery across the forest and wood products industry is provided in the FWP Companion Volume Implementation Guide V6.0. This is confirmed in the equity report.
Support sound assessment practice	Yes	The assessment requirements support sound assessment practice because they clearly written and express the frequency or volume of performance evidence, the extensiveness of knowledge evidence and the essential assessment conditions to collect the evidence.
Support implementation	Yes	No barriers for the training package components have been identified that would impact on implementation. Implementation advice is provided the revised FWP Companion Volume Implementation Guide V6.0 that is ready for publication.

Appendix: Number of revised units of competency and their titles

Fifty-six revised units of competency:

1. FWPCOT2206 Stack and bind material
2. FWPCOT2234 Dock material to length
3. FWPCOT2253 Fell trees manually (basic)
4. FWPCOT2254 Maintain chainsaws
5. FWPCOT2255 Store materials
6. FWPCOT2256 Trim and cut felled trees
7. FWPCOT2257 Use hand-held tools
8. FWPCOT2258 Assemble products
9. FWPCOT2259 Cut materials with a hand-held chainsaw
10. FWPCOT2260 Tally material
11. FWPCOT2261 Process orders and prepare for despatch
12. FWPCOT2262 Cut material to shape using a saw
13. FWPCOT2263 Cross cut materials with a fixed saw
14. FWPCOT3226 Assess timber for manufacturing potential
15. FWPCOT3301 Trim trees using a pole saw
16. FWPCOT3302 Access and provide timber and wood product information
17. FWPCOT3303 Prepare sketches and drawings
18. FWPCOT3304 Take off material quantities
19. FWPCOT3305 Interpret and quote from manufactured timber product plans
20. FWPCOT3306 Rehabilitate tracks, quarries and landings
21. FWPCOT3307 Create drawings using computer aided design software
22. FWPCOT3308 Assemble timber wall frames
23. FWPCOT3309 Assemble timber roof trusses
24. FWPCOT3310 Prepare timber or related products to meet import/export compliance requirements
25. FWPCOT3311 Use environmental care procedures to undertake fire salvage operations
26. FWPCOT3312 Implement environmentally sustainable work practices in the work area/work site
27. FWPCOT3313 Apply biodiversity protection principles
28. FWPCOT3314 Comply with soil and water protection
29. FWPCOT3315 Transport forestry logs using trucks
30. FWPCOT3316 Transport forestry produce using trucks
31. FWPCOT3320 Build and maintain timber stacks
32. FWPCOT4209 Design timber structures
33. FWPCOT4210 Provide specialised timber product solutions
34. FWPCOT4211 Monitor stock control procedures
35. FWPFGM3208 Construct and maintain forest roads and tracks
36. FWPFGM3216 Fell trees manually (intermediate)
37. FWPFGM3217 Fell trees manually (advanced)
38. FWPHAR2201 Hook up felled trees (choker)
39. FWPHAR2202 Perform landing duties (chaser)
40. FWPHAR2208 Operate a mobile chipper/mulcher
41. FWPHAR2209 Trim and cut harvested trees
42. FWPHAR3202 Monitor log recovery (rigging slinger)
43. FWPHAR3203 Operate integrated or split flail and wood chipper with crane
44. FWPHAR3204 Operate split flail and wood chipper fed by mobile machine
45. FWPHAR3205 Harvest trees manually (intermediate)
46. FWPHAR3209 Harvest trees manually (advanced)
47. FWPHAR3212 Operate yarder

48. FWPSAW2212 Assemble materials using nail plates
49. FWPTMM2205 Cut material to length and angles
50. FWPTMM3213 Read and interpret timber truss or wall frame fabrication plans
51. FWPTMM3214 Assemble timber floor trusses
52. FWPTMM4209 Interpret details of timber roof trusses to inform design of plans and production documents
53. FWPTMM4210 Interpret details of timber floor systems to inform design of plans and production documents
54. FWPTMM4211 Interpret details of timber wall frames to inform design of plans and production documents
55. FWPTMM4212 Calculate production costs
56. FWPWPP2213 Cut panels