



Australian
Industry and
Skills Committee

SAWMILLING AND TIMBER PROCESSING

FWP Forest and Wood Products Training Package
Version 8.0
Case for Endorsement - PART 1

Name of allocated IRC(s): Timber and Wood Processing
Name of the SSO: Skills Impact

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1. Administrative details of the Case for Endorsement

Refer to **Attachment A** for the title and code for each of the training package components that are submitted for approval, and an indication of whether these are updated (including equivalence or non-equivalence status), new or deleted products.

The *FWP Forest and Wood Products Training Package Version 8.0* Case for Endorsement comprises two parts:

- Part 1 - Sawmilling and Timber Processing project and other related updates (Allocated Industry Reference Committee - Timber and Wood Processing)
- Part 2 - Responding and Assisting in Bushfires project (Allocated Industry Reference Committee - Forest Management and Harvesting).

This document is for Part 1 - Sawmilling and Timber Processing project and other related updates.

1.1 Case for Change details

The Case for Change (Reference number: Skills Impact/TPD/2021-22-02) was approved on 21 June 2020. The requirements set by the Australian Industry and Skills Committee (AISC) in relation to the training package development work for the *FWP Forest and Wood Products Training Package* are:

- Review and update 5 qualifications
- Review and update 48 units of competency
- Create 8 new units of competency
- Review and update 4 skill sets.

A separate request to change the Activity Order was approved by the Timber and Wood Processing Industry Reference Committee (TWP IRC) and submitted to the Department of Education, Skills and Employment (DESE) during December 2021. The additional work requested included the creation of 1 new unit of competency. DESE approved this additional work on 4 February 2022.

Note:

- 7 of the project's 48 units of competency have not been reviewed. This is because these units were updated in 2018 and 2020 as part of [Prefabricated Building Systems Project](#) and [Timber Truss & Frame Estimating & Design Project](#), and the industry did not indicate the need for any changes to these units at the time of project development.
- 12 units not originally included in the project scope were added for review and updated or merged with other units from the project scope to remove duplication and broaden their application.

1.2 Timeframes and delays

The project has been delivered within the agreed timeframe. Acceptance by the Commonwealth of the Case for Endorsement is scheduled for 17 August 2022.

2. Changes to training products and how these will meet the needs of industry

Refer to **Attachment B** for information on how the proposed updates to qualifications will better support job roles in industry.

Industry representatives stated in the 2021 Annual Update to the *IRC Skills Forecast and Proposed Schedule of Work for the Australian Forest and Wood Products Industry* and during project development, that the FWP qualifications for sawmilling, timber processing and wood manufactured products need to be updated to:

- reflect significant technological improvements in sawmills and wood products operations across Australia,
- incorporate current skill requirements, and

- consolidate the number of qualifications and units to reduce complexity in the training system.

Key messages from stakeholders engaged in the project and the subsequent changes to training products include:

- Support for simplifying and creating more flexible and tailored entry-level qualifications to facilitate training delivery and participation of new entrants and existing workers in VET programs, including school-based programs, related to timber and wood products operations:
 - Consolidated, renamed and redeveloped 4 qualifications available at the AQF level 2 and 3 into a single qualification at each level, resulting in the *FWP20322 Certificate II in Timber and Wood Products Operations* and *FWP230322 Certificate III in Timber and Wood Products Operations*. The latter offers specialisations in timber production, glue laminated timber (GLT) or cross laminated timber (CLT) production, plywood or laminated veneer lumber (LVL) production, and reconstituted wood panel production to allow learners to focus on a particular skill area.
- Support for clarifying and creating more flexible and tailored high-level qualification to facilitate training delivery and participation:
 - Renamed and redeveloped the Certificate IV, resulting in the *FWP40222 Certificate IV in Timber and Wood Products Operations*, to provide future production supervisors and technicians with skills required to manage a technical operation, production issues, performance, equipment maintenance, quality and safety requirements of a timber or wood products operation, and
 - Removed mandatory (core) units from the Certificate IV's packaging rules to allow for more flexibility in selecting units based on individual business profiles and skill needs.
- Support for developing 9 skill sets for pathways and targeted skills:
 - Created 2 new skill sets to provide interested new entrants, production personnel or other tradespeople with the technical skills and knowledge required to begin work as a Saw Technician or Wood Machinist.
 - Created 6 skill sets for frontline and technically proficient production personnel to pursue a leadership career in each operational area of the timber and wood products industry.
 - Created 1 skill set for team leaders who are responsible for process management and optimisation in timber sawmill operations
- Support for developing 8 new units of competency to meet skills needs and close gaps across qualifications:
 - Created 3 units of competency for training production operators, senior operational personnel and internal auditors in chain of custody certification principles; 1 unit of competency for skilling saw technicians, line technicians, and production supervisors in mechanical equipment maintenance; 3 units of competency for providing engineered wood products specialist knowledge to production operators to support quality, problem-solving and production activities; and 1 unit of competency for preparing the forest industry workforce to communicate effectively with members of the public or external stakeholders concerned about forest practices.
- Support for improving access to transferable skills (applicable to a wide range of manufacturing jobs or occupations) in all redeveloped qualifications:
 - Imported units of competency from other Training Packages (Manufacturing, Business Services and Sustainability) in areas such as applying effective manufacturing work practices, achieving work outcomes, undertaking minor maintenance, participating in continuous improvement, using structured problem-solving tools, performing tasks to support production, organising personal work priorities and working in teams.
- Support for improving the skills and knowledge outcomes of 50 existing units of competency, resulting in 37 units of competency that reflect the occupation targeted and current work tasks:
 - Redeveloped 13 units of competency to address a relevant skill or task required by the industry,
 - Consolidated 21 existing units of competency into 8 to eliminate duplication and/or broaden their applicability across multiple production sectors, and
 - Updated 16 units of competency to include new learning outcomes that strengthen the skills and knowledge required to complete the task and improve consistency, conciseness and clarity of the requirements.
- Support for deleting 4 skill sets and 3 units of competency due to no enrolments during the recent years, duplication in the system or tasks not applicable or relevant to operator skills in timber or wood products operations.

Additional changes - for endorsement

Additional changes have also been undertaken and endorsed by the Timber and Wood Processing IRC and the Timber Building Solutions IRC to:

- 1 qualification to update elective unit codes and titles within a specialisation, which have changed as a result of this project in the Case for Endorsement, and
- 1 unit of competency to correct its title that was inaccurate and did not reflect the work outcomes.

Additional minor changes - not for endorsement

Additional minor changes have also been undertaken and endorsed by the Timber and Wood Processing IRC and the Timber Building Solutions IRC to:

- 3 qualifications to add elective units of competency and update elective unit codes and titles that have changed as a result of this project in the Case for Endorsement.

The following components resulted from the work undertaken in this project:

Case for Change Requirements		Components for endorsement in FWP V8.0
Sawmilling and Timber Processing Project	<p>Original Case for Change:</p> <ul style="list-style-type: none"> • Review and update 5 qualifications, • Review and update 48 units of competency, • Create 8 new units of competency, and • Review and update 4 skill sets. <p>Subsequent change of scope:</p> <ul style="list-style-type: none"> • Create 1 new unit of competency. 	<ul style="list-style-type: none"> • 3 qualifications (Note: 4 qualifications merged into 2) • 45 units of competency <ul style="list-style-type: none"> • 8 new units of competency • 37 updated units of competency (Note: 50 existing units were revised, with 29 updated and 21 merged into 8) • 3 deleted units of competency • 9 new skill sets (not for endorsement) • 4 deleted skill sets (not for endorsement)
Additional changes - for endorsement	Not applicable	<ul style="list-style-type: none"> • 1 qualification with changes to elective units within a specialisation endorsed by IRC • 1 unit of competency with changes to title endorsed by IRC
Additional minor changes - not for endorsement	Not applicable	<ul style="list-style-type: none"> • 3 qualifications with minor updates endorsed by IRC

3. Stakeholder consultation strategy

Refer to **Attachment C** for:

- *list of stakeholders that actively participated in consultation on the project*
- *summary feedback provided by stakeholder type and the IRCs response to this feedback*
- *summary of issues raised during stakeholder consultation and the IRCs response to these issues*

3.1 Identification of stakeholders

Stakeholders targeted for participation in this project included:

- Industry representatives with expertise in and working directly in the timber and wood products sectors,
- Registered Training Organisations (RTOs) with the Forest and Wood Products qualifications for review on scope of registration,
- The Construction, Forestry, Maritime, Mining and Energy Union
- Representatives and members of relevant industry associations and Regional Forestry Industry Hubs
- Stakeholders that provide Chain of Custody Certification services to the wood products and operations.

Stakeholders were contacted directly by email and phone, as well as through editorials in external industry publications and news alerts inviting interested parties to contribute. A series of public consultation sessions were also widely advertised and held via Zoom, with participation encouraged from the broader training sector including the Victorian Primary Industries Curriculum Maintenance Manager (CMM), RTOs and state-based Industry Training Advisory Boards (ITABS).

3.2 Strategies for engaging stakeholders

Consultation activities included:

- A project page was set up on the Skills Impact website containing information about the project together with progress updates:
 - <https://www.skillsimpact.com.au/timber-wood-processing/training-package-projects/sawmilling-and-timber-processing-project/>
- Stakeholders identified as potentially interested in the project were contacted via phone or email on commencement of the project during October-December 2021.
- Phone discussions and online meetings were held with individual subject matter experts throughout all stages of development.
- TWP IRC members were updated throughout the project, and in turn, they informed their industry networks.
- Members of the NSW ITAB received updates on the project during their regularly scheduled meetings.
- Messaging about project in external publications:
 - Daily Timber News
 - Australasian Timber
- Relevant industry associations and Regional Forestry Hubs were invited to encourage project participation and/or publish news articles to their members.
- News articles and updates were included in Skills Impact's newsletters throughout the project. News articles and updates were distributed using the Skills Impact database of subscribers and on the Skills Impact website as news articles.
- News articles were shared on the Skills Impact and Forestworks' Twitter and LinkedIn accounts.
- Monthly emails and newsletters were sent to state and territory training authorities, VET regulators, industry training advisory bodies (ITABs) and other stakeholders to provide project updates.
- Online consultation sessions were held for the first draft and validation components. Additionally, opportunities for feedback were made available via online feedback hub and email/phone.
- All identified stakeholders were kept informed throughout the review. They were regularly invited to provide feedback on draft components. A variety of review methods were made available, including a link on the project webpage to the feedback hub, emails with drafts attached, and follow-up emails and phone calls.

3.3 Participation by different types of stakeholders

The project required the participation of timber and wood products industry stakeholders from regional Victoria, New South Wales, Queensland, South Australia, Western Australia, and Tasmania.

Every effort was made to inform as many stakeholders as possible about the project and significant changes of the training package products. 98 stakeholders from across the states were contacted directly via email to engage in project consultations. These individuals included representatives from:

- Employers
- Industry associations and Regional Forestry Hubs
- Union
- RTOs
- State and Territory Training Authorities (STAs)

The majority of associations and skills advisory bodies distributed the project's information and links to draft training package products to their members to encourage participation. Along with the news updates issued by Skills Impact, editorial and advertisement messages about the project and its consultations were published in external industry publications such as Daily Timber News and Australasian Timber. Representatives from the Construction Forestry Maritime Mining and Energy Union (CFMMEU) were kept informed of the project and encouraged to communicate it to members.

Subject matter experts from the major wood products production subsectors were contacted directly and through state-based industry associations and Regional Forestry Hubs early in the project development. The initial contact was made via email and follow-up phone calls, with the purpose of introducing the project, explaining the process, and soliciting their expertise in the project. Following that, they were provided with project information that was then discussed either individually or in workshops, depending on their preferences. Multiple online meetings were scheduled with individual stakeholders during the development stage to progress the review of training package components or clarify feedback received. Participants from large timber processing organisations also offered to collect feedback from subject matter experts within their organisations and communicate it to the project team.

All project participants received via email progress reports and updated information pertinent to their subsector and area of interest throughout the duration of the project. Additional opportunities for review and feedback on the training package products, including online consultation sessions and materials uploaded to the Skills Impact's project page, were made available as part of the public consultation stages.

Furthermore, the consultation timelines were extended to accommodate stakeholders who indicated that they needed more time to review and provide feedback due to workload commitments.

The online consultation meetings, which were organised for both individual and group participation, ensured that stakeholders from rural, regional, and remote areas, as well as all states and territories, could participate in a flexible manner, allowing for a time that suited each project participant regardless of location.

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

	ACT*	NSW	NT*	Qld	SA	TAS	VIC	WA	National
Employers (Non-IRC)									
Government department	Not applicable								
Industry Reference Committee (IRC) Representatives									
Peak Industry Bodies									
Registered Training Organisations (RTO)									
Regulators	Not applicable								
State and Territory Training Authorities (STAs)									
Training Boards/Other									
Unions									

* The table above reflects the Australian Timber Industry, which is concentrated in all states except the Australian Capital Territory and the Northern Territory. See Attachment C for details of stakeholder feedback.

4. Evidence of industry support

4.1 Industry support

Stakeholders expressed high support for the draft training package products during consultations, indicating that their views were taken into account during development. The proposed changes received unanimous support from all stakeholders engaged in this project. Refer to **Attachment G** for Letters of Support.

The project team contacted and invited 98 stakeholders to participate in the project, of which 42 provided feedback and encouraged their networks to participate in the review throughout the duration of the project. 19 participants provided feedback and support for the finalised components presented for validation.

The following summarises the 42 stakeholders who actively contributed to the development of this project:

- 24 represented employers
- 8 represented state and national based peak bodies
- 3 represented RTOs
- 3 represented ITABs
- 2 represented STAs
- 1 represented IRCs
- 1 represented union.

4.2 Engagement of States and Territories

- Monthly emails and newsletters were sent to state and territory training authorities, VET regulators, ITABs and other stakeholders to keep them informed of the project's progress.
- All public consultation and validation phases included online webinars to allow stakeholders from all states and territories to participate and contribute to the project.
- Additional engagement took place at each phase of consultation (through emails and/or phone calls) with representatives from some states and territories who are more directly impacted by the outcomes of the project. These representatives from Victoria, New South Wales and Queensland provided valuable feedback and support throughout the project.

4.3 Mitigation strategies

Timber and wood products qualifications have been redeveloped to ensure that they are more closely aligned with current industry needs and job roles.

The qualifications at AQF Levels 2 and 3 have been consolidated and this has been discussed and communicated since the project began. The qualifications have also been restructured to ensure that they accurately reflect unique and distinct job roles, provide flexibility, and promote clear career paths. This includes new specialisations, elective unit changes, and packaging rule adjustments, all of which were clearly identified in project communications.

Training providers serving the timber and wood products industry received lists as soon as possible during the development stage of units of competency that needed to be consolidated, redeveloped and deleted.

Many of the revised training package products needed to be renamed, and they all received a new code to indicate that they were updated. All of these were stated clearly on the project's webpage and communications.

4.4 Letters of industry support

Letters or statement of support have been received from 4 employers, 1 RTO, 1 peak body and 1 union and can be found in **Attachment G**. Support has been provided by the following organisations:

Name	Organisation	Stakeholder Group
Barry Kuhl	OneFortyOne	Employer (non-IRC)
Mark Costolloe	AKD	Employer (non-IRC)
Ross Lakin	Parkside	Employer (non-IRC)
Stuart Husband	N.F. McDonnell & Sons	Employer (non-IRC)
Rob Rule	Timber Training Creswick	RTO
Kerry Fullarton	South East & Central Queensland Regional Forestry Hub	Peak body
Travis Lawson	Construction Forestry Maritime Mining and Energy Union (CFMMEU) Manufacturing Division	Union

5. Dissenting views

5.1 Dissenting views/issues raised

There are no unresolved issues – all issues raised during this project have been considered, addressed, and resolved.

5.2 Rationale for approval

Not applicable.

6. Reports by exception

No reports by exception.

7. Mandatory Workplace Requirements

*Refer to **Attachment D** for a list of the units of competency, the MWR, the rationale for this, and evidence of employer support for this requirement.*

There are no Mandatory Workplace Requirements in any of the proposed units in this project. All units must be assessed in a workplace or an environment that reflects a real workplace, and is set up with the appropriate equipment, systems and guiding procedures and that reflect an actual workplace.

8. Implementation of the new training packages

8.1 Implementation issues

The most significant implementation challenge is the thin training market. Timber and wood product operations are concentrated in a few key forestry areas that span rural Australia. Each region, on average, has a small number of students at any given time, making it difficult for a local training provider to register, establish capacity for training delivery, and run a viable business. Having a single training provider cover all regions is also impractical, especially given the preference for on-the-job training among employers.

No other implementation issues have been raised by states or territories or any other stakeholders.

However, there are changes resulting from this project which may impact implementation. These changes have been communicated thoroughly throughout the project to help stakeholders plan accordingly, and include:

- Certificates II, III and IV have all been updated with changes to their packaging rules and electives resulting in the qualifications being deemed not equivalent
- Four qualifications have been merged into 2 qualifications:
 - *FWP20316 Certificate II in Sawmilling and Processing* and *FWP20516 Certificate II in Timber Manufactured Products* have been merged into *FWP20322 Certificate II in Timber and Wood Products Operations*
 - *FWP30316 Certificate III in Sawmilling and Processing* and *FWP30516 Certificate III in Timber Manufactured Products* have been merged into *FWP30322 Certificate III in Timber and Wood Products Operations*
- 21 units have also been merged into 8 to better reflect current job tasks and also to streamline the *FWP Forest and Wood Products Training Package*.
- All components updated as part of the work on the submitted project have received new codes to reflect these changes.
- All updated qualifications and many of the units of competence are deemed not equivalent to the previous version. This may have an impact on learners who are currently enrolled in the current version of the qualifications.

8.2 Potential for traineeship or apprenticeships

The TWP IRC recommend the following qualifications and nominal duration for traineeship delivery:

Qualification	Delivery recommendation	Nominal Duration
<i>FWP20322 Certificate II in Timber and Wood Products Operations</i>	Traineeship / Apprenticeship	12 months fulltime, 24 months parttime
<i>FWP30322 Certificate III in Timber and Wood Products Operations (with or without specialisation)</i>	Traineeship / Apprenticeship	12 months fulltime, 24 months parttime
<i>FWP40222 Certificate IV in Timber and Wood Products Operations</i>	Traineeship / Apprenticeship	12 months fulltime, 24 months parttime

8.3 Occupational and licensing requirements

None of the updated training package products have specific occupational and/or licencing requirements; however, most units of competency offer guidance instructing users to follow workplace practices and safety-related legislation and regulatory requirements:

All work must be carried out to comply with workplace procedures, according to state/territory health and safety regulations, legislation and standards that apply to the workplace.

8.4 Extension to transition period

Where the need for an extension to the transition period is identified for training products that are the subject of this Case for Endorsement, the SSO will apply to the relevant regulator for an extension to transition, to mitigate the identified impact on other training products, particular student cohorts or industry business needs.

No need for extension to transition period has been reported or identified for the training products updated through this project.

9. Quality Assurance

<i>The Case for Endorsement meets the following requirements:</i>	
<i>Standards for Training Packages 2012</i>	<input type="checkbox"/>
<i>Training Package Products Policy</i>	<input type="checkbox"/>
<i>Training Package Development and Endorsement Process Policy</i>	<input type="checkbox"/>
<i>Companion Volume Implementation Guide is available and quality assured.</i>	<input type="checkbox"/>
<i>Copies of quality assurance reports are included in Attachment F.</i>	

10. Implementation of the Minister's priorities in training packages

*Refer to **Attachment E** for information on no enrolment and low enrolment qualifications reviewed as part of this project, and the outcomes of this review (i.e. product proposed for deletion or retention). **Attachment D** also includes the rationale for retaining no and/or low enrolment products when this is the proposal.*

Changes to the net number of units and qualifications in the training package

- If the training package products updated through the project presented in the *FWP Forest and Wood Products Training Package Version 8.0 Case for Endorsement* are approved, the number of qualifications in the FWP training package will decrease by 2 and the number of units will decrease by 7, given that the large gaps found between the existing version of the training package and contemporary job requirements have been addressed.

Please include an explanation of how approval of the proposed training products will support the reform priorities for training packages agreed by skills ministers in November 2015 and October 2020:

<p>Streamlining/rationalisation of training products</p>	<ul style="list-style-type: none"> • Components deleted from the system: <ul style="list-style-type: none"> • 4 skill sets • 3 units of competency • 4 of the 5 qualifications updated have been fully reviewed and rationalised down to 2 • 21 of the 50 units of competency reviewed have been consolidated into 8 to better reflect current job tasks and also to reduce the overall number of units in the <i>FWP Forest and Wood Products Training Package</i>. • Best use has been made of existing units from other training packages (such as applying effective manufacturing work practices, achieving work outcomes, performing minor equipment maintenance, participating in continuous improvement, using structured problem-solving tools, performing tasks to support production, organising personal work priorities, and working in teams) to prevent duplication across multiple training packages.
<p>Ensure that more information about industry's expectations of training delivery is available to training providers to improve their delivery and to consumers to enable more informed course choices</p>	<p>The companion volume Implementation Guide covers key industry expectations about the units and Skill Sets developed in this project and information beyond this project including:</p> <ul style="list-style-type: none"> • 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.
<p>Ensure the training system better supports individuals to move more easily between related occupations</p>	<ul style="list-style-type: none"> • All redesigned qualifications were designed to enhance awareness of career paths for the wide variety of work vocations in the timber and wood products industry.
<p>Improve the efficiency of the training system by creating units that can be owned and used by multiple industry sectors</p>	<ul style="list-style-type: none"> • Electives in each qualification include a range of flexible options that can be chosen to cover optional technical/operator tasks, safety, foundation skills and a broad range of other skills utilised across related occupations and industry sectors. • The range of skill sets and qualifications within the <i>FWP Forest and Wood Products Training Package</i> enables a variety of pathways from entry level to operator and supervisor levels, as well as to more professional roles of timber and wood products operations, by facilitating movement between schools and VET, from entry level into work, and between VET and higher education qualifications.

<p>Foster greater recognition of skill sets and work with industry to support their implementation</p>	<ul style="list-style-type: none"> • The new units of competency created as part of this project are specific to production supervision of engineered wood products and specialised operational knowledge to support quality and problem-solving processes, either across log yard operations or own production operations such as veneer production for plywood or laminated veneer lumber (LVL) manufacture, plywood or laminated veneer lumber production, and glue laminated timber (GLT) or cross laminated timber (CLT) production. However, the new units on chain of custody compliance are relevant to all sectors of the timber and wood products industry. • 9 new skill sets were created in response to industry needs.
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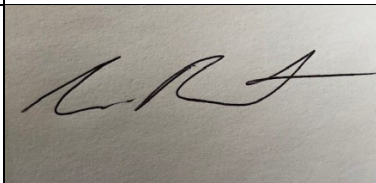
11. A link to the full content of the proposed training package component(s)

The AISC should be provided with a link to the full, developed training package component(s) to be approved under the Case for Endorsement.

A link to the training package components proposed for endorsement is included here.

- <https://www.skillsimpact.com.au/timber-wood-processing/training-package-projects/sawmilling-and-timber-processing-project/>

This Case for Endorsement was agreed to by the Timber and Wood processing IRC

Name of Chair	Clarissa Brandt
Signature of Chair	
Date	12 July 2022

Attachment A: Training products submitted for approval

Please set out in the table below, the training products submitted for approval, including showing whether this is an updated, new or deleted product.

Training Product Code	Training Product Name	Type	For existing products, equivalence/non-equivalence status	For updated products, rationale for equivalence/non-equivalence status
Qualifications				
FWP20322	Certificate II in Timber and Wood Products Operations	Updated	Not equivalent	Qualification merged from FWP20316 Certificate II in Sawmilling and Processing and FWP20516 Certificate II in Timber Manufactured Products; Title changed; Revised packaging rules; Reduced the number of core units; Revised the structure (groups) of the elective units; Imported elective units from other training packages; Added new units and revised existing units
FWP30322	Certificate III in Timber and Wood Products Operations	Updated	Not equivalent	Qualification merged from FWP30316 Certificate III in Sawmilling and Processing and FWP30516 Certificate III in Timber Manufactured Products; Title changed; Revised packaging rules and created specialisations to better reflect outcomes; Reduced the number of core units; Revised the structure (groups) of the elective units; Imported elective units from other training packages; Added new units and revised existing units
FWP40222	Certificate IV in Timber and Wood Products Operations	Updated	Not equivalent	Title changed; Revised packaging rules to better reflect outcomes; Removed core unit requirements; Revised the structure (groups) of the elective units; Imported elective units from other training packages; Added new units and revised existing units

Units of competency				
FWPCOT2268	Cut timber or engineered wood product to length or dimensions	Updated	Not equivalent	Redesigned unit that includes content from FWPCOT2234, FWPSAW2204 and FWPWPP2213.
FWPCOT2269	Operate and maintain a table saw	Updated	Not equivalent	Reworded Application statement to broaden unit scope; Minor updates to Performance Criteria; Revised Foundation Skills and Performance Evidence; Minor edits to Knowledge Evidence and Assessment Conditions
FWPCOT2270	Cut wood materials with pole saw for unblocking machinery components	Updated	Equivalent	New unit title; Revised Elements, Performance Criteria, Foundation Skills, Performance Evidence and Assessment Conditions
FWPCOT2271	Pack timber or wood products for despatch	Updated	Equivalent	New unit title; Minor edits to Application, Performance Criteria, Foundation Skills, Performance Evidence and Assessment Conditions
FWPCOT2272	Rack timber or round poles	Updated	Equivalent	New unit title; Updated Application statement; Revised Elements, Performance Criteria, Foundation Skills, Performance Evidence, Knowledge Evidence, and Assessment Conditions
FWPCOT3332	Machine timber or engineered wood products using CNC machining and processing centres	Updated	Equivalent	Updated unit title; Minor changes to Application and Knowledge Evidence; Revised Foundation Skills, Performance Evidence and Assessment Conditions
FWPCOT3333	Conduct heat plant operations	Updated	Not equivalent	Redesigned unit that includes content from FWPCOT3232 and FWPCOT4207
FWPCOT3334	Conduct steam boiler operations	Updated	Not equivalent	Redesigned unit that includes content from FWPCOT3231 and FWPCOT4206
FWPCOT3335	Conduct operator level equipment maintenance in forest and wood products industry	Updated	Not equivalent	Unit redesigned to emphasise operator level equipment maintenance, including the addition of a new Element 2 for shutting down and isolating equipment. Includes content from previous unit. Major changes to all sections of the unit.

FWPCOT3336	Coordinate set up and operation of timber finger jointing line	Updated	Not equivalent	New unit title; Revised and updated Application, Elements, Performance Criteria, foundation Skills and Performance Evidence.
FWPCOT3337	Operate timber finger jointing line	Updated	Not equivalent	New unit title; Revised and updated all unit components.
FWPCOT3338	Identify glues and gluing systems used in production of wood products	Updated	Not equivalent	Unit redeveloped to address a relevant skill or task that is required by industry.
FWPCOT3339	Grade wood product visually	Updated	Not equivalent	Unit redesigned to remove duplication and increase applicability. It incorporates content from FWPCOT3240, FWPCOT3284 and FWPSAW2201.
FWPCOT3340	Develop knowledge of log yard operations	Updated	Not equivalent	The unit has been redeveloped to address a skill or task required by industry that is not covered by an existing unit.
FWPCOT3341	Coordinate and monitor wood chip stockpile	Updated	Equivalent	Revised Performance Criteria; Updated Foundation Skills Performance Evidence and Assessment Conditions
FWPCOT3342	Screen wood chips	Updated	Not equivalent	Updated Application; Revised and added new Elements and Performance Criteria; Revised Foundation Skills, Performance Evidence and Assessment Conditions; Added new Knowledge Evidence items
FWPCOT3343	Test wood chips quality	Updated	Not equivalent	New unit title; Revised Elements and new Performance Criteria and Knowledge Evidence; Revised Foundation Skills, Performance Evidence, and Assessment Conditions
FWPCOT3344	Transfer wood chips	Updated	Not equivalent	Revised Application, Updated and new Elements and Performance Criteria; Revised Foundation Skills, Performance Evidence, Knowledge Evidence and Assessment Conditions
FWPCOT4221	Plan for and supervise log yard operations	Updated	Not equivalent	Unit redeveloped to increase its application and address a relevant skill or task that is required by industry.
FWPCOT4222	Plan for and supervise timber treatment plant operations	Updated	Not equivalent	Revised unit title; Minor revisions to Application; Added new Elements and Performance Criteria; Revised Foundation

				Skills; Revised Performance Evidence; Added new Knowledge Evidence Revised Assessment Conditions
FWPSAW2213	De-stack timber drying racks	Updated	Equivalent	Revised Application, Elements, Performance Criteria, Foundation Skills, Performance Evidence and Assessment Conditions
FWPSAW2214	Sort timber boards manually	Updated	Equivalent	New unit title; Revised Elements, Performance Criteria, Foundation Skills, Performance Evidence, Knowledge Evidence and Assessment Conditions
FWPSAW3252	Assemble, operate and dismantle a portable sawmill	Updated	Not equivalent	Unit redesigned to broaden its application. It incorporates content from FWPSAW3229 and FWPSAW2209.
FWPSAW3253	Re-saw green timber	Updated	Not equivalent	Redesigned unit that incorporates content from FWPSAW3243 and FWPTMM3210.
FWPSAW3254	Control and monitor automated green mill saw line	Updated	Not equivalent	New unit title; Revised Application, Elements and Performance Criteria; Revised Foundation Skills; Updated Performance Evidence, Knowledge Evidence and Assessment Conditions.
FWPSAW3255	Operate conventional log breakdown saw line	Updated	Not equivalent	Unit redesigned to remove duplication. It incorporates content from FWPSAW3230, FWPSAW3241 and FWPSAW3231.
FWPSAW3256	Select and saw logs in multi-species operations	Updated	Equivalent	Revised Application, Elements, Performance Criteria, Foundation Skills, Performance Evidence and Assessment Conditions
FWPSAW3257	Operate timber drying kiln	Updated	Not equivalent	Redesigned unit that includes content from FWPSAW3205, FWPSAW3206, FWPCOT3248 and FWPWPP3212
FWPSAW4208	Plan for and coordinate timber kiln drying operations	Updated	Not equivalent	Revised unit title; Minor revisions to Application; Updated Elements, Performance Criteria, Foundation Skills, Performance Evidence, Knowledge Evidence and Assessment Conditions.
FWPSAW4209	Plan for and supervise log processing operations	Updated	Not equivalent	Unit redeveloped to increase its application and address a relevant skill or task that is required by industry.

FWPSAW4210	Plan for and supervise timber dry mill operations	Updated	Not equivalent	Unit redeveloped to increase its application and address a relevant skill or task that is required by industry.
FWPTMM3216	Plane and sand engineered wood product	Updated	Equivalent	Minor edits to unit title, Performance Criteria; Updated Foundation Skills; Revised Performance Evidence; Minor edits to Knowledge Evidence.
FWPTMM3217	Develop knowledge of plywood or laminated veneer lumber production	Updated	Not equivalent	The unit has been redeveloped to address a skill or task required by industry that is not covered by an existing unit.
FWPTMM3218	Develop knowledge of veneer preparation in plywood or laminated veneer lumber production	Updated	Not equivalent	The unit has been redeveloped to address a skill or task required by industry that is not covered by an existing unit.
FWPTMM4213	Test finger jointed timber	Updated	Not equivalent	Unit redeveloped to address a relevant skill or task that is required by industry.
FWPTMM4214	Test laminated wood product	Updated	Not equivalent	Unit redeveloped to address a relevant skill or task that is required by industry.
FWPTMM4215	Plan for and coordinate timber product assembly	Updated	Equivalent	Updated unit title; Minor edits to Elements, Performance Evidence, Knowledge Evidence and Assessment Conditions; Updated Foundation Skills and
FWPCOT3345	Develop knowledge of chain of custody certification requirements for forest and wood products	New	Newly created	The unit has been created to address a skill or task required by industry that is not covered by an existing unit.
FWPCOT3346	Communicate effectively with general public or stakeholders concerned about forest practices	New	Newly created	The unit has been created to address a skill or task required by industry that is not covered by an existing unit
FWPCOT4223	Assess requirements of chain of custody certification scheme for forest and wood products	New	Newly created	The unit has been created to address a skill or task required by industry that is not covered by an existing unit.
FWPCOT4224	Conduct internal audit of chain of custody certification for forest and wood products	New	Newly created	The unit has been created to address a skill or task required by industry that is not covered by an existing unit.
FWPCOT4225	Apply principles of pneumatics and hydraulics to analyse potential equipment failures	New	Newly created	The unit has been created to address a skill or task required by industry that is not covered by an existing unit.

FWPTMM3219	Develop knowledge of reconstituted wood panel production	New	Newly created	The unit has been created to address a skill or task required by industry that is not covered by an existing unit.
FWPTMM3220	Develop knowledge of glue laminated timber or cross laminated timber production	New	Newly created	The unit has been created to address a skill or task required by industry that is not covered by an existing unit.
FWPTMM4216	Plan for and supervise engineered wood product operations	New	Newly created	The unit has been created to address a skill or task required by industry that is not covered by an existing unit.
FWPCOT3203	Weigh loads	Deleted	Not applicable	Not applicable
FWPTMM4203	Install and commission CNC software	Deleted	Not applicable	Not applicable
FWPTMM4208	Construct prototypes and samples for timber structures	Deleted	Not applicable	Not applicable

Additional changes – for endorsement

Training Product Code	Training Product Name	Type	For existing products, equivalence/non-equivalence status	For updated products, rationale for equivalence/non-equivalence status
Qualifications				
FWP30622	Certificate III in Timber Building Products Supply	Updated	Equivalent	Updated native unit codes and titles that form part of a specialisation; New qualification code
Units of competency				
FWPCOT3349	Assess timber against quality requirements and specifications	Updated	Equivalent	Corrected title to reflect learning outcomes

Skill Sets updates – not for endorsement

Training Product Code	Training Product Name	Type	For existing products, equivalence/non-equivalence status	For updated products, rationale for equivalence/non-equivalence status
Skill sets				
FWPSS00068	Entry into a Saw Technician Role Skill Set	New	Newly created	It has been created to address a skill set required by industry
FWPSS00069	Entry into a Wood Machinist Role Skill Set	New	Newly created	It has been created to address a skill set required by industry
FWPSS00070	Process Control and Optimisation (Timber Sawmills) Skill Set	New	Newly created	It has been created to address a skill set required by industry
FWPSS00071	Foundational Leadership and Management (Log Yard Operations) Skill Set	New	Newly created	It has been created to address a skill set required by industry
FWPSS00072	Foundational Leadership and Management (Log Processing Operations) Skill Set	New	Newly created	It has been created to address a skill set required by industry
FWPSS00073	Foundational Leadership and Management (Timber Dry Mill Operations) Skill Set	New	Newly created	It has been created to address a skill set required by industry
FWPSS00074	Foundational Leadership and Management (Timber Kiln Drying Operations) Skill Set	New	Newly created	It has been created to address a skill set required by industry
FWPSS00075	Foundational Leadership and Management (Timber Treatment Operations) Skill Set	New	Newly created	It has been created to address a skill set required by industry
FWPSS00076	Foundational Leadership and Management (Engineered Wood Products Operations) Skill Set	New	Newly created	It has been created to address a skill set required by industry
FWPSS00028	Skill set for a finger jointing plant operator	Deleted	Not applicable	Not applicable
FWPSS00029	Skill set for a finger jointing moulder operator	Deleted	Not applicable	Not applicable

Training Product Code	Training Product Name	Type	For existing products, equivalence/non-equivalence status	For updated products, rationale for equivalence/non-equivalence status
FWPSS00030	Skill set for a finger jointing grader operator	Deleted	Not applicable	Not applicable
FWPSS00031	Skill set for a finger jointing quality control tester	Deleted	Not applicable	Not applicable

Additional minor changes - not for endorsement

Training Product Code	Training Product Name	Type	For existing products, equivalence/non-equivalence status	For updated products, rationale for equivalence/non-equivalence status
Qualifications				
FWP30920	Certificate III in Timber Frame or Truss Manufacture (Release 3)	Updated	Equivalent	Minor update to reflect elective unit codes that have changed as a result of this project in the Case for Endorsement. This also includes updates to imported units.
FWP31021	Certificate III in Saw Technology (Release 2)	Updated	Equivalent	Minor update to reflect elective unit codes that have changed as a result of this project in the Case for Endorsement. This also includes updates to imported units.
FWP31121	Certificate III in Wood Machining (Release 2)	Updated	Equivalent	Minor update to reflect elective unit codes that have changed as a result of this project in the Case for Endorsement. This also includes updates to imported units.

Attachment B: How qualification updates support job roles

Please use the table below to demonstrate how the proposed updates to qualifications will better support job roles.

Job role	Qualification	Proposed updates and how these better support the job role
Support workers (new entrants and people who provide support to various operational areas in timber and wood products operations)	FWP20322 Certificate II in Timber and Wood Products Operations	<p>The qualification was simplified to facilitate training delivery and participation of new entrants in VET programs related to timber and wood products operations, including school-based programs. Updates that support the intended job role include:</p> <ul style="list-style-type: none"> • Consolidated 2 AQF level 2 qualifications into a single qualification • Renamed and broadened the qualification application to jobs and skills across the timber and wood products operations • Revised packaging rules reducing the number of core units by 1 and adding a foundational entry level unit for developing knowledge of the forest and wood products industry • Restructured electives by grouping them in two main sections that cover basic support competencies for production effectiveness and basic operational tasks • Imported elective units, added new units and revised existing units to provide individuals who work in operational support roles with the skills to work safely, contribute to teamwork in a production environment, operate basic equipment and grade, sort and stack timber or wood products.
Process operators (timber and wood products)	FWP30322 Certificate III in Timber and Wood Products Operations	<p>The qualification was simplified and tailored to enable specialised skills and knowledge relevant to operational roles in timber and wood products operations. Updates that support the intended job role include:</p> <ul style="list-style-type: none"> • Consolidated 2 AQF level 3 qualifications into a single qualification • Renamed and broadened the qualification application to jobs and skills across the timber and wood products operations • Revised packaging rules reducing the number of mandatory (core) units by 4 and created specialisations to reflect distinct job functions and promote clear career paths • Restructured electives by grouping them in sections that cover quality processes, each specialisation and cross-operational functions • Imported elective units, added new units and revised existing units to provide process operators with skills in areas such as:

Job role	Qualification	Proposed updates and how these better support the job role
		<ul style="list-style-type: none"> • maintaining personal and team performance, problem solving and complying with health, safety, quality and chain of custody and environmental standards • equipment operation and maintenance, process monitoring, product testing and grading • timber or wood products production process and workflow in timber or wood products production environments.
Team leaders and operations/production supervisors (timber and wood products)	FWP40222 Certificate IV in Timber and Wood Products Operations	<p>The qualification was clarified and tailored to intended job roles to facilitate training delivery and participation. Updates that support the job role include:</p> <ul style="list-style-type: none"> • Renamed and broadened the qualification application to jobs and skills across the timber and wood products operations • Revised packaging rules removing the mandatory (core) units and reducing the total number of units required to complete the qualification by 2 to allow for more flexibility in selecting units based on individual business profiles and skill needs • Restructured electives by grouping them in sections that cover safety and quality systems, operations management and leadership skills • Imported elective units, added new units and revised existing units to provide production supervisors and technicians with knowledge of timber or wood products production processes and the workplace skills required to manage technical operations, address production issues, maintain individual and team performance, maintain equipment for stable and continuous operations, monitor health, safety, quality and environmental requirements.

Attachment C: Stakeholder consultation

List of stakeholders that actively participated in stakeholder consultation for the project:

The following 42 stakeholders actively contributed to the development of this project, while 98 were contacted and kept informed throughout the project.

Name	Organisation	Title	Industry	Representation Type	State
Neil Hunter	AKD	Supervising Saw Technician	Timber Production	Employer	VIC, NSW, QLD
Genevieve Ryan	AKD	Talent Development Manager	Timber Production	Employer	VIC, NSW, QLD
Mark Costolloe	AKD	Training Manager	Timber Production	Employer	VIC, NSW, QLD
Nicholas Veale	Australian Sustainable Hardwoods (ASH)	Operations Manager	Timber/Glulam/Chain of Custody	Employer	VIC
Jayne Moran	AW Moran Sawmilling	Co-owner	Timber Production	Employer	NSW
Dave Nicol	Big River Group (Ausply)	WHSE & HR Manager	LVL/Plywood Production	Employer	NSW
Pam Breese	Borg Timber	Human Resources Manager	MDF/Particleboard Production	Employer	SA
Ross Garsden	BSI Group ANZ	Client Manager	Chain of Custody	Employer	NSW
Eva Dellow	Curvewood	Director / Joiner	GLT Production	Employer	NSW
Amanda McLoughlin	DTM Timber	HR & WHS Manager	Timber Production	Employer	QLD
Gary Brown	DTM Timber	Supervising Saw Technician	Timber Production	Employer	QLD
Amanda Slater	Forico	Executive Manager People & Culture	Woodchip Production	Employer	TAS
Ross Muller	Hyne Timber	Supervising Saw Technician	Timber/GLulam/CLT Production	Employer	QLD, NSW
James Hyne	Hyne Timber	Stakeholder Engagement Manager	Timber/GLulam/CLT Production	Employer	QLD, NSW
Emma Conway	Hyne Timber	People & Culture Specialist	Timber/GLulam/CLT Production	Employer	NSW/QLD

Name	Organisation	Title	Industry	Representation Type	State
Leigh Jago	N.F. McDonnell & Sons	Supervising Saw Technician	Timber Production	Employer	SA
Stuart Husband	N.F. McDonnell & Sons	General Manager - Operations	Timber Production	Employer	SA
Barry Kuhl	OneFortyOne	Supervising Saw Technician	Timber Production	Employer	SA
Danielle Burford	OneFortyOne	Training Manager - Jubilee Sawmill Mount Gambier	Timber Production	Employer	SA
Mae Steele	OneFortyOne	HR Advisor	Timber Production	Employer	SA
Julia Bertuol-Dias	Opal	Sustainability Manager	Chain of Custody	Employer	VIC
Ross Lakin	Parkside Timber	Operations Manager	CLT/GLT Production	Employer	QLD, WA, VIC
Erica Hansen	Pentarch Forestry	Certification Manager	Chain of Custody	Employer	NSW
Steve King	Timberlink	People and Culture Consultant	Timber Production	Employer	SA
Damien Paull	Forest Stewardship Council	Chief Executive Officer	Chain of Custody	Industry body	National
Deborah Kerr	Victorian Forest Products Association	Chief Executive Officer	Forest and Timber Industry	Industry body	VIC
Gavin Matthew	Engineered Wood Products Association	Chief Executive Officer	Forest and Timber Industry	Industry body	National
Kerry Fullarton	South + Central Queensland Regional Forestry Hub	Manager	Forest and Timber Industry	Industry body	QLD
Nick Cameron	NENSW Forestry Hub (administered by Timber NSW)	Manager	Forest and Timber Industry	Industry body	NSW
Phil Clements	Softwoods Working Group / South West Slopes Forestry Hub	Manager	Forest and Timber Industry	Industry body	NSW
Romany Brodribb	Tasmanian Forests and Forest Products Network (North-northwest Tasmania Forestry Hub)	Manager Communications and Member Services	Forest and Timber Industry	Industry body	TAS
Simon Dorries	Responsible Wood	Chief Executive Officer	Chain of Custody	Industry body	National

Name	Organisation	Title	Industry	Representation Type	State
Maree McCaskill	Timber NSW	Chief Executive Officer	Forest and Timber Industry	Industry Reference Committee (IRC) Representative	NSW
Alicia Oelkers	TABMA Training	General Manager Membership	Forest and Timber Industry	RTO	National
Peter Mikelsen	Timber Training Creswick	Consultant	Forest and Timber Industry	RTO	National
Rob Rule	Timber Training Creswick	Manager	Forest and Timber Industry	RTO	National
Anne Wiltshire	Melbourne Polytechnic	Primary Industries Curriculum Maintenance Manager	State Government	State Training Authority (STA)	VIC
Suzie Hounsham	Department of Training and Workforce Development WA	senior Program Officer	State Government	State Training Authority (STA)	WA
Chahli McGuffie	Industry Skills Advisory Council NT	Workforce and Skills Officer	Primary Industries (Forest and Timber industry)	Training Boards/Other	NT
Rod Morris	Queensland Farmers' Federation	VET Industry Skills Adviser (Primary Industries)	Primary Industries (Forest and Timber industry)	Training Boards/Other	QLD
Tim Cleary	NSW State ITAB	Executive Officer, NSW ITAB for Forestry & Furnishing	Primary Industries (Forest and Timber industry)	Training Boards/Other	NSW
Travis Lawson	Construction Forestry Maritime Mining and Energy Union (CFMMEU) Manufacturing Division	Organiser	Timber Production	Union	National

Summary of Feedback by Stakeholder type:

Stakeholder Type	Key Feedback Points	Actions Taken to Address Feedback
Industry Reference Committee (IRC) Representatives	<p>Stated the need for:</p> <ul style="list-style-type: none"> updated qualifications and skills standards to reflect developments in technology and processes in the traditional and new Australian timber and wood products operations such as 	<ul style="list-style-type: none"> Renamed, consolidated and updated the Certificates II and III to reflect skills and knowledge to perform a variety of timber production roles. This includes generic workplace skills in areas such as maintaining personal and team performance, problem solving, and complying with health, safety, quality and chain of custody and environmental standards.

Stakeholder Type	Key Feedback Points	Actions Taken to Address Feedback
	<p>structural timber, cross laminated timber (CLT) and glue laminated timber (GLT)</p> <ul style="list-style-type: none"> • address skill gaps between existing training package and industry needs • streamlining and consolidating the number of qualifications and units of competency to facilitate training delivery and participation. 	<p>Specialised technical skills in areas such as equipment operation and maintenance, process monitoring, product testing and grading in CLT and GLT production, plywood and laminated veneer lumber (LVL) production or reconstituted wood panel production were also included.</p> <ul style="list-style-type: none"> • Under the proposed redeveloped qualifications those seeking a Certificate III in Timber and Wood Products Operations can choose from specialisations in timber production, glue laminated timber or cross laminated timber production, plywood or laminated veneer lumber production, and reconstituted wood panel production. • Renamed and updated the Certificate IV to provide future production supervisors and technicians with skills required to manage technical operations, production issues, performance, equipment maintenance, and quality and safety requirements of a timber or wood products operation. • Created new units of competency to address the gaps: 3 units for training production operators, senior operational personnel and internal auditors in chain of custody certification principles; 2 units for skilling saw technicians, line technicians, and production supervisors in mechanical equipment maintenance; 3 units for providing engineered wood products specialist knowledge to production operators to support quality, problem-solving and production activities; and 1 unit for preparing the forest industry workforce to communicate effectively with members of the public or external stakeholders concerned about forest practices.
<p>Peak Industry Bodies</p>	<ul style="list-style-type: none"> • Advised on the shortage of process operators and trade skills in the industry, and stated the need for skill sets to facilitate career paths for those who wish to pursue these jobs • Advised on industry priorities to support timber-related VET in school programs to train young people across timber processing regions 	<ul style="list-style-type: none"> • Created 2 new skill sets to provide interested new entrants, production personnel or other tradespeople with the technical skills and knowledge required to begin work as a Saw Technician or Wood Machinist. • Created 6 skill sets for frontline and technically proficient production personnel who pursue a leadership career in each operational area of the timber and wood products industry. • Created 1 skill set for team leaders who are responsible for process management and optimisation in timber sawmill operations • Simplified and created more flexible and tailored entry-level qualifications to facilitate training delivery and participation of

Stakeholder Type	Key Feedback Points	Actions Taken to Address Feedback
		new entrants and existing workers in VET programs, including school-based programs
Employers (Non-IRC)	<ul style="list-style-type: none"> • Stated the need for training package products that support: <ul style="list-style-type: none"> • process operators to focus on and develop specialised operational knowledge that contribute to quality assurance and problem-solving processes across own production operations • line technicians and production supervisors to develop skills that contribute to quality assurance, mechanical equipment maintenance, process monitoring and continuous improvement • all employees to improve skills that are transferable and applicable across manufacturing jobs or occupations. • Advised on the shortage of process operators and trade skills in the industry and stated the need for skill sets to facilitate career paths for those who wish to pursue these jobs. 	<ul style="list-style-type: none"> • Updated existing units of competency and created new units for process operators, line technicians and production supervisors to developing specialised operational knowledge to support quality and problem-solving processes • Imported units of competency from other Training Packages (Manufacturing, Business Services and Sustainability) in areas such as applying effective manufacturing work practices, achieving work outcomes, undertaking minor maintenance, participating in continuous improvement, using structured problem-solving tools, performing tasks to support production, organising personal work priorities and working in teams. • Created new skill sets as described above to facilitate career paths
Regulators	Not applicable	Not applicable
Registered Training Organisations (RTOs)	<ul style="list-style-type: none"> • Confirmed the need for streamlined qualifications • Stressed the need for merged units with broadened application to be written so that the training course can be customised for various job and process settings available in the industry. 	<ul style="list-style-type: none"> • Consolidated, simplified and created more flexible and tailored qualifications • Ensured that merged units are applicable to various job and process settings in the industry
Training Boards/Other	<ul style="list-style-type: none"> • Advised on the shortage of process operators and trade skills in the industry • Advised on industry priorities to support timber-related VET in school programs to train young people across timber processing regions 	<ul style="list-style-type: none"> • Created new skill sets as described above to facilitate career paths • Simplified and created more flexible and tailored entry-level qualifications to facilitate training delivery and participation of new entrants and existing workers in VET programs, including school-based programs
State and Territory Training Authorities (STAs)	<ul style="list-style-type: none"> • Notified on technical aspects of draft updated training package products such as Performance Criteria and Knowledge Evidence alignment, 	<ul style="list-style-type: none"> • Addressed every point raised

Stakeholder Type	Key Feedback Points	Actions Taken to Address Feedback
	consistency across units, unit placement in qualifications, and currency of imported units.	
Unions	<ul style="list-style-type: none"> Stated the need for qualifications and skills that reflect the modern changes of the timber and wood products industry 	<ul style="list-style-type: none"> Renamed, consolidated and updated the Certificates II and III to reflect the current skills and knowledge to perform a variety of timber production roles Renamed and updated the Certificate IV to provide future production supervisors and technicians with skills required to manage technical operations, production issues, performance, equipment maintenance, and quality and safety requirements of a timber or wood products operation.

Summary of Issues raised during stakeholder consultation

Issue raised	Key Feedback Points	Actions Taken to Address Feedback
Transferable skills/units used by multiple occupations	Participant indicated that testing tasks may be conducted by Wood Machinists in some operations, suggesting that testing units be also included in the Wood Machining qualification.	3 testing units were added as electives to the Certificate III in Wood Machining.
Capacity for delivering training associated with advanced technology	Participant indicated that automated saw line is good addition as aligns with production facilities, but not sure how TAFE's will be able to train these units. Asked whether support is required from industry here.	This issue was beyond the scope of this project, but the participant was informed that the new Industry Cluster enterprise responsible for this sector will be provided with all the details to ensure there is continuing assistance provided to training providers and employers in developing the capacity to deliver these units.
Reflection of regulatory/Aust Std in updated units	Participant indicated that regulatory/Aust Std apply to some of operational area and tasks, and they should be reflected in the units.	<p>Relevant sections of the units covering the operational tasks listed below were updated with reference to and thus responsibility for teaching industry standards:</p> <ul style="list-style-type: none"> production supervision finger jointing timber drying chain of custody grading and testing gluing engineered wood products.

Attachment D: Mandatory Workplace Requirements in Training Products

Please set out in the table below training products which include a mandatory workplace requirement (i.e. which must be completed in a workplace)

Code/title	Description of the Requirement (e.g. work placement, assessment requirement)	Rationale for Inclusion	Evidence of employer support
Not applicable	There are no Mandatory Workplace Requirements in any of the proposed units in this project.	Not applicable	Not applicable

Attachment E: No enrolment and low enrolment training products

No Enrolment:

Please set out in the table below those training products that have had no enrolments over the past three years for which data is available

Units of Competency		
Unit Code/ Name of Unit	Proposed for retention/deletion	Rationale for Retention
FWPCOT2209 Produce finger jointed timber	Retention	<ul style="list-style-type: none"> Redeveloped into <i>FWPCOT3337 Operate timber finger jointing line</i> address a relevant skill or task that is required by industry Skills and knowledge required by industry for the job roles described in the redeveloped Certificate III
FWPCOT3203 Weigh loads	Deletion	Not applicable
FWPCOT3208 Test strength of joints	Retention	<ul style="list-style-type: none"> Redeveloped into <i>FWPTMM4213 Test finger jointed timber</i> to address a relevant skill or task that is required by industry Skills and knowledge required by industry for the job roles described in the redeveloped Certificate III
FWPCOT3227 Receive and measure logs	Retention	<ul style="list-style-type: none"> Redeveloped into <i>FWPCOT3340 Develop knowledge of log yard operations</i> to address a skill or task required by industry that is not covered by an existing unit. Skills and knowledge required by industry for the job roles described in the redeveloped Certificate III
FWPCOT3232 Operate heat plant	Retention	<ul style="list-style-type: none"> Merged with content from FWPCOT4207 into <i>FWPCOT3333 Conduct heat plant operations</i> to address a relevant skill or task that is required by industry Skills and knowledge required by industry for the job roles described in the redeveloped Certificate III
FWPCOT3240 Grade heavy structural/engineered products	Retention	<ul style="list-style-type: none"> Merged with content from FWPCOT3284 and FWPSAW2201 into <i>FWPCOT3339 Grade wood product visually</i> to address a relevant skill or task that is required by industry and to remove duplication and increase applicability. Skills and knowledge required by industry for the job roles described in the redeveloped Certificate III
FWPCOT3268 Plane and sand engineered wood products	Retention	<ul style="list-style-type: none"> Updated to clarify requirements Skills and knowledge required by industry for the job roles described in the redeveloped Certificate III

Units of Competency		
Unit Code/ Name of Unit	Proposed for retention/deletion	Rationale for Retention
FWPCOT4205 Coordinate log debarking operations	Retention	<ul style="list-style-type: none"> Redeveloped into <i>FWPCOT4221 Plan for and supervise log yard operations</i> to increase its application and address a relevant skill or task that is required by industry. Skills and knowledge required by industry for the job roles described in the redeveloped Certificate III
FWPCOT4206 Plan and coordinate boiler operations	Retention	<ul style="list-style-type: none"> Merged with content from FWPCOT3231 into <i>FWPCOT3334 Conduct steam boiler operations</i> to address a relevant skill or task that is required by industry Skills and knowledge required by industry for the job roles described in the redeveloped Certificate III
FWPCOT4207 Plan and coordinate heat plant operations	Retention	<ul style="list-style-type: none"> Merged with content from FWPCOT3232 into <i>FWPCOT3333 Conduct heat plant operations</i> to address a relevant skill or task that is required by industry Skills and knowledge required by industry for the job roles described in the redeveloped Certificate III
FWPSAW2201 Grade round poles and debarked logs	Retention	<ul style="list-style-type: none"> Merged with content from FWPCOT3240 and FWPCOT3284 into <i>FWPCOT3339 Grade wood product visually</i> to increase its application, address a relevant skill or task that is required by industry and remove duplication. Skills and knowledge required by industry for the job roles described in the redeveloped Certificate III
FWPSAW2204 Dock boards with mechanical feed	Retention	<ul style="list-style-type: none"> Merged with content from FWPCOT2234 and FWPWPP2213 into <i>FWPCOT2268 Cut timber or engineered wood product to length or dimensions</i> to increase its application, address a relevant skill or task that is required by industry and remove duplication. Skills and knowledge required by industry for the job roles described in the redeveloped Certificate III
FWPSAW2206 De-stack seasoning racks	Retention	<ul style="list-style-type: none"> Updated to clarify requirements Skills and knowledge required by industry for the job roles described in the redeveloped Certificate III
FWPSAW3230 Perform primary log breakdown	Retention	<ul style="list-style-type: none"> Merged with content from FWPSAW3241 and FWPSAW3231 into <i>FWPSAW3255 Operate conventional log breakdown saw line</i> to increase its application, address a relevant skill or task that is required by industry and remove duplication. Skills and knowledge required by industry for the job roles described in the redeveloped Certificate III
FWPSAW3231 Perform secondary log breakdown	Retention	<ul style="list-style-type: none"> Merged with content from FWPSAW3230 and FWPSAW3241 into <i>FWPSAW3255 Operate conventional log breakdown saw line</i> to increase its application, address a relevant skill or task that is required by industry and remove duplication.

Units of Competency		
Unit Code/ Name of Unit	Proposed for retention/deletion	Rationale for Retention
		<ul style="list-style-type: none"> Skills and knowledge required by industry for the job roles described in the redeveloped Certificate III
FWPSAW3241 Set up and operate production saws used in sawmill operations	Retention	<ul style="list-style-type: none"> Merged with content from FWPSAW3230 and FWPSAW3231 into <i>FWPSAW3254 Control and monitor automated green mill saw line</i> to increase its application, address a relevant skill or task that is required by industry and remove duplication Skills and knowledge required by industry for the job roles described in the redeveloped Certificate III
FWPSAW3243 Produce sawn green boards	Retention	<ul style="list-style-type: none"> Merged with content from FWPTMM3210 into <i>FWPSAW3253 Re-saw green timber</i> to address a relevant skill or task that is required by industry and remove duplication Skills and knowledge required by industry for the job roles described in the redeveloped Certificate III
FWPSAW3249 Saw logs using CNC optimising systems	Retention	<ul style="list-style-type: none"> Redeveloped into <i>FWPSAW3254 Control and monitor automated green mill saw line</i> to address a relevant skill or task that is required by industry Skills and knowledge required by industry for the job roles described in the redeveloped Certificate III
FWPSAW3250 Select and saw logs in multi-species operations	Retention	<ul style="list-style-type: none"> Updated to clarify requirements Skills and knowledge required by industry for the job roles described in the redeveloped Certificate III
FWPSAW4201 Plan and monitor timber treatment plant operations	Retention	<ul style="list-style-type: none"> Redeveloped into <i>FWPCOT4222 Plan for and supervise timber treatment plant operations</i> to address a relevant skill or task that is required by industry. Skills and knowledge required by industry for the job roles described in the redeveloped Certificate IV
FWPSAW4202 Plan and monitor saw log operations	Retention	<ul style="list-style-type: none"> Redeveloped into <i>FWPSAW4209 Plan for and supervise log processing operations</i> to address a relevant skill or task that is required by industry Skills and knowledge required by industry for the job roles described in the redeveloped Certificate IV
FWPSAW4205 Plan and monitor timber conversion	Retention	<ul style="list-style-type: none"> Redeveloped into <i>FWPSAW4210 Plan for and supervise timber dry mill operations</i> to address a relevant skill or task that is required by industry Skills and knowledge required by industry for the job roles described in the redeveloped Certificate IV
FWPTMM3210 Convert timber	Retention	<ul style="list-style-type: none"> Merged with content from FWPSAW3243 into <i>FWPSAW3253 Re-saw green timber</i> to increase its application, address a relevant skill or task that is required by industry and remove duplication

Units of Competency		
Unit Code/ Name of Unit	Proposed for retention/deletion	Rationale for Retention
		<ul style="list-style-type: none"> Skills and knowledge required by industry for the job roles described in the redeveloped Certificate III
FWPTMM4203 Install and commission CNC software	Deletion	Not applicable
FWPTMM4204 Sample and test products to specifications	Retention	<ul style="list-style-type: none"> Redeveloped into <i>FWPTMM4214 Test laminated wood product</i> to address a relevant skill or task that is required by industry Skills and knowledge required by industry for the job roles described in the redeveloped Certificate IV
FWPTMM4208 Construct prototypes and samples for timber structures	Deletion	Not applicable
FWPWPP2213 Cut panels	Retention	<ul style="list-style-type: none"> Merged with content from FWPCOT2234 and FWPSAW2204 into <i>FWPCOT2268 Cut timber or engineered wood product to length or dimensions</i> to increase its application, address a relevant skill or task that is required by industry and remove duplication Skills and knowledge required by industry for the job roles described in the redeveloped Certificate II
FWPWPP3201 Produce veneer from debarked logs	Retention	<ul style="list-style-type: none"> Redeveloped into <i>FWPTMM3217 Develop knowledge of plywood or laminated veneer lumber production</i> to address a skill or task required by industry Skills and knowledge required by industry for the job roles described in the redeveloped Certificate III
FWPWPP3209 Prepare resin and additives	Retention	<ul style="list-style-type: none"> Redeveloped into <i>FWPCOT3338 Identify glues and gluing systems used in production of wood products</i> to address a relevant skill or task that is required by industry Skills and knowledge required by industry for the job roles described in the redeveloped Certificate III
FWPWPP3212 Dry material	Retention	<ul style="list-style-type: none"> Merged with content from FWPSAW3205, FWPSAW3206 and FWPCOT3248 into <i>FWPSAW3257 Operate timber drying kiln</i> to increase its application, address a relevant skill or task that is required by industry and remove duplication Skills and knowledge required by industry for the job roles described in the redeveloped Certificate III
FWPWPP3231 Produce veneer from prepared flitches	Retention	<ul style="list-style-type: none"> Redeveloped into <i>FWPTMM3218 Develop knowledge of veneer preparation in plywood or laminated veneer lumber production</i> to address a skill or task required by industry Skills and knowledge required by industry for the job roles described in the redeveloped Certificate III

Low Enrolment:

Please set out in the table below those training products that have had low enrolments over the past three years for which data is available¹

Units of Competency		
Unit Code/ Name of Unit	Proposed for retention/deletion	Rationale for Retention
FWPCOT2202 Rack material	Retention	<ul style="list-style-type: none"> Updated to reflect job role and work task requirement Skills and knowledge required by industry for the job roles described in the redeveloped Certificate II
FWPCOT2231 Pack products	Retention	<ul style="list-style-type: none"> Updated to reflect job role and work task requirement Skills and knowledge required by industry for the job roles described in the redeveloped Certificate II
FWPCOT3231 Operate steam boiler	Retention	<ul style="list-style-type: none"> Merged with content from FWPCOT4206 into <i>FWPCOT3334 Conduct steam boiler operations</i> to increase its application, address a relevant skill or task that is required by industry and remove duplication Skills and knowledge required by industry for the job roles described in the redeveloped Certificate III
FWPCOT3235 Machine material using CNC machining and processing centres	Retention	<ul style="list-style-type: none"> Updated to reflect job role and work task requirement Skills and knowledge required by industry for the job roles described in the redeveloped Certificate III
FWPCOT3248 Dry timber in solar assisted kilns	Retention	<ul style="list-style-type: none"> Merged with content from FWPSAW3205, FWPSAW3206, and FWPWPP3212 into <i>FWPSAW3257 Operate timber drying kiln</i> to increase its application, address a relevant skill or task that is required by industry and remove duplication Skills and knowledge required by industry for the job roles described in the redeveloped Certificate III
FWPCOT3284 Grade, sort and mark timber materials	Retention	<ul style="list-style-type: none"> Merged with content from FWPCOT3240 and FWPSAW2201 into <i>FWPCOT3339 Grade wood product visually</i> to increase its application, address a relevant skill or task that is required by industry and remove duplication Skills and knowledge required by industry for the job roles described in the redeveloped Certificate III

¹ Low enrolment training products are qualifications or units of competency that have had less than 42 enrolments in each of the past three years (this is the maximum no. of enrolments for the bottom 25% of qualifications based on average enrolments over 2016 - 2018)

Units of Competency		
Unit Code/ Name of Unit	Proposed for retention/deletion	Rationale for Retention
FWPCOT3285 Apply knowledge of wood technology principles to end use applications	Retention	<ul style="list-style-type: none"> Corrected title, i.e., <i>FWPCOT3349 Assess timber against quality requirements and specifications</i>, to reflect learning outcomes Skills and knowledge required by industry for the job roles described in the redeveloped Certificate III
FWPCOT3288 Set up, operate and maintain finger jointing machines	Retention	<ul style="list-style-type: none"> Redeveloped into <i>FWPCOT3336 Coordinate set up and operation of timber finger jointing line</i> to address a skill or task required by industry Skills and knowledge required by industry for the job roles described in the redeveloped Certificate III
FWPCOT4203 Plan and coordinate product assembly	Retention	<ul style="list-style-type: none"> Updated to reflect job role and work task requirement Skills and knowledge required by industry for the job roles described in the redeveloped Certificate III
FWPSAW2202 Sort boards manually	Retention	<ul style="list-style-type: none"> Updated to reflect job role and work task requirement Skills and knowledge required by industry for the job roles described in the redeveloped Certificate III
FWPSAW2209 Dismantle, transport and assemble hand portable sawmill	Retention	<ul style="list-style-type: none"> Merged with content from FWPSAW3229 into <i>FWPSAW3252 Assemble, operate and dismantle a portable sawmill</i> to increase its application, address a relevant skill or task that is required by industry and remove duplication Skills and knowledge required by industry for the job roles described in the redeveloped Certificate II
FWPSAW3205 Dry hardwood	Retention	<ul style="list-style-type: none"> Merged with content from FWPSAW3206, FWPCOT3248 and FWPWPP3212 into <i>FWPSAW3257 Operate timber drying kiln</i> to increase its application, address a relevant skill or task that is required by industry and remove duplication Skills and knowledge required by industry for the job roles described in the redeveloped Certificate III
FWPSAW3206 Dry softwood	Retention	<ul style="list-style-type: none"> Merged with content from FWPSAW3205, FWPCOT3248 and FWPWPP3212 into <i>FWPSAW3257 Operate timber drying kiln</i> to increase its application, address a relevant skill or task that is required by industry and remove duplication Skills and knowledge required by industry for the job roles described in the redeveloped Certificate III
FWPSAW3215 Screen wood chips	Retention	<ul style="list-style-type: none"> Updated to reflect job role and work task requirement Skills and knowledge required by industry for the job roles described in the redeveloped Certificate III
FWPSAW3216 Transfer wood chips	Retention	<ul style="list-style-type: none"> Updated to reflect job role and work task requirement Skills and knowledge required by industry for the job roles described in the redeveloped Certificate III

Units of Competency		
Unit Code/ Name of Unit	Proposed for retention/deletion	Rationale for Retention
FWPSAW3223 Assess wood chips	Retention	<ul style="list-style-type: none"> • Updated to reflect job role and work task requirement • Skills and knowledge required by industry for the job roles described in the redeveloped Certificate III
FWPSAW3224 Coordinate and monitor the wood chip stockpile	Retention	<ul style="list-style-type: none"> • Updated to reflect job role and work task requirement • Skills and knowledge required by industry for the job roles described in the redeveloped Certificate III
FWPSAW3229 Operate a portable sawmill	Retention	<ul style="list-style-type: none"> • Merged with content from FWPSAW2209 into <i>FWPSAW3252 Assemble, operate and dismantle a portable sawmill</i> to increase its application, address a relevant skill or task that is required by industry and remove duplication • Skills and knowledge required by industry for the job roles described in the redeveloped Certificate III
FWPSAW4203 Coordinate timber drying operations	Retention	<ul style="list-style-type: none"> • Redeveloped into <i>FWPSAW4208 Plan for and coordinate timber kiln drying operations</i> to address a skill or task required by industry • Skills and knowledge required by industry for the job roles described in the redeveloped Certificate IV
Qualifications		
Qualification Code/ Name of Qualification	Proposed for retention/deletion	Rationale for Retention
FWP30516 Certificate III in Timber Manufactured Products	Retention	<ul style="list-style-type: none"> • Merged with FWP30316 Certificate III in Sawmilling and Processing into FWP30322 Certificate III in Timber and Wood Products Operations • Simplified and tailored to enable specialised skills and knowledge relevant to operational roles in timber and wood products operations
FWP40216 Certificate IV in Timber Processing	Retention	<ul style="list-style-type: none"> • Qualification redeveloped into FWP40222 Certificate IV in Timber and Wood Products Operations to enable a more flexible course structure and a focus on specialised skills and knowledge in a broad range of timber and wood products operations management

Attachment F: Quality assurance reports

Independent Quality Report

Section 1 – Cover page

Information required	Detail
Training Package title and code	FWP Forest and Wood Products Training Package
Number of new qualifications and their titles ¹	0
Number of revised qualifications and their titles	6 FWP20122 Certificate II in Forest Operations FWP20322 Certificate II in Timber and Wood Products Operations FWP30122 Certificate III in Forest Operations FWP30322 Certificate III in Timber and Wood Products Operations FWP30622 Certificate III in Timber Building Products Supply FWP40222 Certificate IV in Timber and Wood Products Operations
Number of new units of competency and their titles	10 FWPCOT3345 Develop knowledge of chain of custody certification requirements for forest and wood products FWPCOT3346 Communicate effectively with general public or stakeholders concerned about forest practices FWPCOT4223 Assess requirements of chain of custody certification scheme for forest and wood products FWPCOT4224 Conduct internal audit of chain of custody certification for forest and wood products FWPCOT4225 Apply principles of pneumatics and hydraulics to analyse potential equipment failures FWPFIR3002 Apply communication protocols during post-bushfire vegetation clearing and clean-up operations FWPFIR4001 Conduct tree hazard assessment post-fire FWPTMM3219 Develop knowledge of reconstituted wood panel production FWPTMM3220 Develop knowledge of glue laminated timber or cross laminated timber production FWPTMM4216 Plan for and supervise engineered wood product operations
Number of revised units of competency and their titles	42 Refer to Attachment 1

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

Information required	Detail
<p>Confirmation that the panel member is independent of: 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>	<p>I confirm that I, Maree Thorne, am independent of: the Training Package or Training Package components' review (Yes) development and/or validation activities associated with the Case for Endorsement (Yes) undertaking the Equity and/or Editorial Reports for the training package products that are the subject of this quality report (Yes)</p>
<p>Confirmation of the Training Packages or components thereof being compliant with the Standards for Training Packages 2012</p>	<p>Yes, I confirm that the Training Package components for endorsement are compliant with the Standards for Training Packages 2012</p>
<p>Confirmation of the Training Packages or components thereof being compliant with the Training Package Products Policy</p>	<p>Yes, I confirm that the Training Package components for endorsement are compliant with the Training Package Products Policy</p>
<p>Confirmation of the Training Packages or components thereof being compliant with the Training Package Development and Endorsement Process Policy</p>	<p>Yes, I confirm that the Training Package components for endorsement are compliant with the Training Package Development and Endorsement Process Policy</p>
<p>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</p>	<p>There appears from the information provided, to be national engagement in the consultation and validation process (albeit only approximately 82 stakeholders across 3 projects, including chainsaw operations as a discrete subproject). The developers acknowledge challenges for both industry and training providers, associated with thin and geographically disbursed /remote markets. Mandated timeframes of the process have been adhered to. The feedback summaries for each project were referred to in the QA process and appear to offer constructive feedback, supportive of the scope of activities. It is the panel member's view that the evidence of consultation and validation process is fit for purpose and commensurate with the scope of the projects.</p> <p>With respect to the estimated impact of the proposed changes, the negative impacts to providers (merged qualifications, non-equivalent products requiring addition to scope and redevelopment of existing training/assessment) will hopefully be outweighed by the changes made (to streamline qualifications and units of competency, resulting in the retention of a significant number of components with nil and low enrolments but where skills are still regarded as crucial for a critical industry, including development of emerging alternative engineered products) and can encourage the uptake of training by industry.</p>
<p>Name of panel member completing Quality Report</p>	<p>Maree Thorne</p>
<p>Date of completion of the Quality Report</p>	<p>10 June 2022</p>

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: AISC endorsed components: qualifications units of competency assessment requirements (associated with each unit of competency) credit arrangements One or more quality assured companion volumes</p>	<p>Yes</p>	<p>The components proposed for endorsement in the FWP Forest and Wood Products Training Package v8.0 meet the requirements of Standard 1.</p> <p>The Training Package components in the two Cases for Endorsement (CfE) include: Six revised qualifications 10 new and 42 revised units of competency, and associated assessment requirements. No credit arrangements exist for the components.</p> <p>An additional nine new skill sets, four updated qualifications for minor release, and one unit with minor changes were included in the quality assurance process.</p> <p>The FWP Forest and Wood Products Training Package Companion Volume Implementation Guide (CVIG) has been updated to include the revised components and has been quality assured in this process.</p>
<p>Standard 2</p> <p>Training Package developers comply with the Training Package Products Policy</p>	<p>Yes</p>	<p>The Training Package developers have complied with Standard 2 – Compliance with the Training Packages Products Policy (TPPP), with supporting evidence including: Coding and titling of units of competency Addition of new units into existing qualifications Where units of competency codes/titles have been changed in existing qualifications with specialisations, the qualifications have been included for endorsement (recoded), whilst in qualifications without specialisations, are a minor release in accordance with the TPPP No new (or revised) units include prerequisite requirements The CVIG includes information about access and equity and outlines how Foundation Skills have been addressed in units of competency Information about pathways, and qualification and unit mapping to inform users of changes, including equivalence, is provided in the CVIG. The availability of nine new skill sets included in this project provides additional flexibility and pathway options for individuals and employers.</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>Standard 3</p> <p>Training Package developers comply with the AISC Training Package Development and Endorsement Process Policy</p>	Yes	<p>Both projects (Sawmilling and Timber Processing and Responding and Assisting in Bushfires, including a sub project to review performance evidence volume in tree felling units) are submitted as separate Cases for Endorsement.</p> <p>Both cases for endorsement provide detailed information about Skills Impact's development, consultation and validation processes for the draft components, including details of consultation undertaken and communication strategies with evidence of contributing personnel listed in Appendices.</p> <p>Timeframes for consultation periods, including 5 weeks for initial consultation, and 3 weeks for validation, allowing for the holiday period, meet policy requirements. A range of feedback and participation strategies were available throughout the development period.</p> <p>Summary of the feedback, responses and actions for both projects, was available on the project pages and was examined in the quality assurance process to validate inclusion or rationales for not, of stakeholder feedback in the components.</p>
<p>Standard 4</p> <p>Units of competency specify the standards of performance required in the workplace</p>	Yes	<p>All presented units of competency were reviewed. The standards of performance required in the workplace are presumed to be confirmed through stakeholder consultation during development.</p>
<p>Standard 5</p> <p>The structure of units of competency complies with the unit of competency template</p>	Yes	<p>The structure of all proposed units of competency comply with the unit of competency template.</p>
<p>Standard 6</p> <p>Assessment requirements specify the evidence and required conditions for assessment</p>	Yes	<p>Assessment Requirements associated with the units of competency specify the performance evidence and knowledge evidence to be demonstrated for assessment, along with required conditions for assessment.</p> <p>Reference to either frequency (number of occasions) and/or volume of Performance Evidence is clearly stated, as are Assessment Conditions in relation to how evidence may be gathered and provision of necessary resources for meeting assessment requirements.</p>
<p>Standard 7</p> <p>Every unit of competency has associated assessment requirements. The structure of assessment requirements complies with the assessment requirements template</p>	Yes	<p>All units of competency have associated assessment requirements, the structures of which comply with the assessment requirements template.</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>Standard 8</p> <p>Qualifications comply with the Australian Qualifications Framework specification for that qualification type</p>	Yes	<p>The QA process confirmed qualification packaging rules specify requirements to ensure AQF outcomes for qualifications are met by the specified packaging rules and elective selection (prescribed by selection from elective groups) supported with the wording:</p> <p>Elective units must ensure the integrity of the qualification's Australian Qualification Framework (AQF) alignment and contribute to a valid, industry-supported vocational outcome.</p> <p>It is noted that the CIV qualification is 'elective' only, however the structure of the qualification is 'structured' by packaging rules designed to enable flexibility, whilst requiring selection of electives from different groups.</p>
<p>Standard 9</p> <p>The structure of the information for the Australian Qualifications Framework qualification complies with the qualification template</p>	Yes	<p>As stated in the Editorial Report 'the structure of the six revised qualifications complies with the qualification template.</p> <p>All revised qualifications include appropriate coding and titling, a qualification descriptor, mapping information and links to the FWP Companion Volume Implementation Guide (CVIG).</p> <p>No qualification submitted has an entry requirement.</p> <p>All qualifications have clear packaging rules with some offering specialisations.</p> <p>Details of prerequisite requirements for relevant imported units are listed within each qualification.'</p>
<p>Standard 10</p> <p>Credit arrangements existing between Training Package qualifications and Higher Education qualifications are listed in a format that complies with the credit arrangements template</p>	Yes	<p>The FWP CVIG indicates there to be no nationally applicable credit arrangements.</p>
<p>Standard 11</p> <p>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.</p>	Yes	<p>The training package components in this submission are accompanied by the FWP Forest and Wood Products Training Package Companion Volume Implementation Guide (CVIG) Version 8.0.</p> <p>The FWP CVIG complies with the companion volume implementation guide template included in the 2012 Standards and was reviewed in this QA process, including for alignment to the CfEs and with the proposed endorsed components.</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)
Standard 12 Training Package developers produce other quality assured companion volumes to meet the needs of their stakeholders as required.	N/A	

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 Training Package Development and Endorsement Process Policy
Driven by industry's needs	Yes	<p>The components proposed for endorsement for the FWP Training Package v8.0 projects are explained in the Case(s) for Endorsement for alignment with the Cases for Change approved by the AISC and outlined in the CfE.</p> <p>The CfE articulates key industry issues driving the development of the new components.</p> <p>The CfE provides detailed information about the extent of industry consultation and stakeholder engagement and narrative about the rationales for the development of the new units and skill sets. It outlines involvement of the range of industry and other stakeholders, and details changes and communications throughout the project to meet needs of those stakeholders.</p>
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	Yes	<p>The proposed components for endorsement respond to the COAG Industry and Skills Council's (CISC) training package reforms, evidenced by:</p> <p>foster greater recognition of skill sets</p> <p>The proposed components will be supported by nine new skill sets.</p> <p>ensure obsolete and superfluous qualifications are removed from the system</p> <p>ensure that the training system better supports individuals to move easily from one related occupation to another</p>

<p>product and identify supporting evidence: ensure obsolete and superfluous qualifications are removed from the system</p> <p>ensure that more information about industry's expectations of training delivery is available to training providers to improve their delivery and to consumers to enable more informed course choices</p> <p>ensure that the training system better supports individuals to move easily from one related occupation to another</p> <p>improve the efficiency of the training system by creating units that can be owned and used by multiple industry sectors</p> <p>foster greater recognition of skill sets</p>		<p>Four qualifications reviewed in the Sawmilling and Timber Processing Project have been 'merged' into two qualifications, with specialisations at the Certificate III level for specific industry outcomes if required. In addition, 21 units have been 'consolidated' into eight to remove duplication, and to better reflect current job tasks within the industry.</p> <p>ensure that more information about industry's expectations of training delivery is available to training providers to improve their delivery and to consumers to enable more informed course choices</p> <p>Changes made in unit revisions have clarified unit performance criteria and assessment conditions to ensure training providers are able to improve delivery and assessment performance. Four 'felling tree' units were specifically reviewed to consider volume/frequency of evidence required to address industry needs balanced against provider access to resources (and arguably sustainability), with agreement seeming to be reached on maintaining the volume/type of cutting techniques required to be demonstrated but reducing the number of actual trees to be felled.</p>
<p>Reflect contemporary work organisation and job profiles incorporating a future orientation</p>	<p>Yes</p>	<p>Development of new units in developing knowledge of and processing engineered wood products, as well as supervisory skills in optimising forest and wood product work practices, compliance with chain of custody certification requirements and communicating with the public or stakeholders about forestry practices are all contemporary issues impacting the industry.</p> <p>In response to industry concerns regarding workforce shortages and attracting new entrants to the industry, entry level skill sets and career progression opportunities through skill sets have been incorporated in the developed products with feedback noted from one industry participant that:</p> <p>'The need for short courses as entry pathways into critical jobs such as saw technicians and wood machinists, both of which are in low supply, and as programs to train future leaders in our industry sectors was identified'</p>

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 Training Package Development and Endorsement Process Policy
Support movement of skills within and across organisations and sectors	Yes	Packaging rules in the qualifications enable flexibility in the selection of electives, with options for specialisation where required, and including enabling imported electives for broader job roles or specific industry applications. Endorsed components will be supported by skill sets to provide entry, upskilling and skill movements within and across industry sectors.
Promote national and international portability	Yes	The components proposed for endorsement include operational areas and tasks covered by Australian Standards (such as EWP, chain of custody). Reference is made to AS in the components, and the CVIG provides extensive information for users regarding relevant Australian Standards. Stakeholder feedback specifically required that the bushfire units reflect national guidelines/standards by Australasian Fire and Emergency Service Authorities Council (AFAC) to ensure skill and knowledge consistency across states.
Reflect regulatory requirements and licensing	Yes	The CfEs specify that: 'None of the updated training package products have specific occupational and/or licencing requirements; however, most units of competency offer guidance instructing users to follow workplace practices and safety-related legislation and regulatory requirements: All work must be carried out to comply with workplace procedures, according to state/territory health and safety regulations, legislation and standards that apply to the workplace'

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 Training Package Development and Endorsement Process Policy
Reflect national consensus	Yes	<p>The case for endorsement details the consultation that was conducted, and the changes made throughout the project to accommodate stakeholder views.</p> <p>The CfE evidences a national consultation process in both projects providing stakeholders with opportunities to participate via a number of communication channels (email and online, peak industry and employer networks, newsletter alerts inviting feedback) to capture input on the endorsed components throughout the duration of the review.</p> <p>Appendix 2 details the range of national respondent stakeholders including industry participants, government representatives and training advisory associations, industry /content expert and training practitioners.</p> <p>Sections 5.1 of both CfE indicate no unresolved issues.</p>
Recognise convergence and connectivity of skills	Yes	<p>The Sawmilling and Timber Processing Project specifically noted industry support for improving access to transferable skills (applicable to a wide range of manufacturing jobs or occupations) in all redeveloped qualifications through the import of units of competency from other Training Packages (Manufacturing, Business Services and Sustainability) in areas such as applying effective manufacturing work practices, achieving work outcomes, undertaking minor maintenance, participating in continuous improvement, using structured problem-solving tools, performing tasks to support production, organising personal work priorities and working in teams.</p> <p>Imported units listed in qualifications include units from a wide variety of other nationally endorsed training packages, including TLI, AHC, HLT, MEM, MSS and TAE. Discussions during QA confirmed TAE unit inclusions appropriate to skills and knowledge relevant to supervisory roles within a production environment.</p>

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 Training Package Development and Endorsement Process Policy
Meet the diversity of individual and employer needs	Yes	<p>All qualifications include a wide range of elective options, and options to import from any other training packages or accredited courses, suitable to vocational requirements and context – which ensures that each qualification can be packaged to suit different settings and a range of employer and individual needs.</p> <p>The Equity Report comments that: ‘Several qualifications have been merged to better reflect current job tasks and to broaden their application across a diverse industry with a thin training market.</p> <p>Many qualifications group elective units to indicate relevant areas of focus to assist with the selection of electives. Four qualifications provide the option of utilising ‘specialisations’ providing flexibility for industry, workplaces, RTOs and industry.</p> <p>FWP40222 Certificate IV in Timber and Wood Products Operations, revised to provide future production supervisors and technicians with skills required to manage timber or wood products operations, is comprised of all elective units. The Case for Endorsement states that it ‘has no core to allow for more flexibility in selecting units based on individual business profiles and skill needs.’</p> <p>Assessment requirements specify that assessment must take place in a [relevant] workplace or ‘an environment that accurately represents workplace conditions’, with the exception of ‘develop knowledge of’ units which do not specially require a physical environment for application.</p>
Support equitable access and progression of learners	Yes	<p>No qualifications specify entry requirements, and no FWP units of competency included in the submission have prerequisite requirements. Where imported units require prerequisites, these are included in the listed elective units and packaging rules allow for their selection. Nine new skill sets provide additional options for access and progression of learners into and between qualifications.</p>

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 Training Package Development and Endorsement Process Policy
Support learner transition between education sectors	Yes	<p>The FWP qualifications submitted for endorsement cover Certificate II to Certificate IV with pathways described in the FWP CVIG.</p> <p>The CVIG states that three qualifications (FWP20122, FWP20322, FWP30622) in this submission are appropriate for entry level workers and potentially for delivery to secondary students, whilst the IRC in the CfE recommends qualifications FWP20322, FWP30322 and FWP40222 as potentially suitable for traineeship pathways.</p> <p>The FWP CVIG states that 'There are currently no nationally applicable credit arrangements between any Skills Impact training package qualification and higher education qualification'.</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 Training Package Development and Endorsement Process Policy
Support implementation across a range of settings	Yes	<p>Industry advice about delivery implementation, including access and equity issues and training pathways, is provided via the FWP CVIG V8.0 which has been quality assured in this process and is ready for publication at the same time as the Training Package components.</p> <p>The Equity Report confirms that the CVIG provides guidance about Pathways, Access and Equity including reasonable adjustment, and Foundation Skills.</p> <p>Foundation Skills are included in the units of competency for endorsement including being specified where the skills are not explicit in the performance criteria. Industry support for the validated components expressed in the feedback summaries and CfEs imply that they do not exceed foundation skills required in the workplace.</p>

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 Training Package Development and Endorsement Process Policy
Support sound assessment practice	Yes	The Elements and Performance Criteria of the units of competency, and the associated Assessment Requirements of Performance Evidence and Knowledge Evidence are closely aligned. Performance Evidence includes detailed and very clear, comprehensive reference to volume and frequency of performance required, and the Assessment Conditions specify physical conditions, specifications, and resources, equipment and materials for assessment.
Support implementation	Yes	The training package components provided for quality assurance were presented in full and in a format required to comply with the National Register requirements for publication. Components contain links as required by the templates to the FWP CVIG 8.0 which has been updated to include all components being endorsed, has been quality assured in this process and is ready for publication at the same time as the Training Package components.

Attachment 1 – Revised units of competency (42)

FWPCOT2268 Cut timber or engineered wood product to length or dimensions
 FWPCOT2269 Operate and maintain a table saw
 FWPCOT2270 Cut wood material with a pole saw for unblocking machinery components
 FWPCOT2271 Pack timber or wood products for despatch
 FWPCOT2272 Rack timber or round poles
 FWPCOT2273 Trim and cut felled trees
 FWPCOT2274 Fell trees manually (basic)
 FWPCOT3332 Machine timber or engineered wood products using CNC machining and processing centres
 FWPCOT3333 Conduct heat plant operations
 FWPCOT3334 Conduct steam boiler operations
 FWPCOT3335 Conduct operator level equipment maintenance in forest and wood products industry
 FWPCOT3336 Coordinate set up and operation of timber finger jointing line
 FWPCOT3337 Operate timber finger jointing line
 FWPCOT3338 Identify glues and gluing systems used in production of wood products
 FWPCOT3339 Grade wood product visually
 FWPCOT3340 Develop knowledge of log yard operations
 FWPCOT3341 Coordinate and monitor wood chip stockpile
 FWPCOT3342 Screen wood chips
 FWPCOT3343 Test wood chips quality
 FWPCOT3344 Transfer wood chips
 FWPCOT3347 Fell trees manually (intermediate)
 FWPCOT3348 Fell trees manually (advanced)
 FWPCOT3349 Assess timber against quality requirements and specifications
 FWPCOT4221 Plan for and supervise log yard operations
 FWPCOT4222 Plan for and supervise timber treatment plant operations

FWPSAW2213 De-stack timber drying racks
FWPSAW2214 Sort timber boards manually
FWPSAW3252 Assemble, operate and dismantle a portable sawmill
FWPSAW3253 Re-saw green timber
FWPSAW3254 Control and monitor automated green mill saw line
FWPSAW3255 Operate conventional log breakdown saw line
FWPSAW3256 Select and saw logs in multi-species operations
FWPSAW3257 Operate timber drying kiln
FWPSAW4208 Plan for and coordinate timber kiln drying operations
FWPSAW4209 Plan for and supervise log processing operations
FWPSAW4210 Plan for and supervise timber dry mill operations
FWPTMM3216 Plane and sand engineered wood product
FWPTMM3217 Develop knowledge of plywood or laminated veneer lumber production
FWPTMM3218 Develop knowledge of veneer preparation in plywood or laminated veneer lumber production
FWPTMM4213 Test finger jointed timber
FWPTMM4214 Test laminated wood product
FWPTMM4215 Plan for and coordinate timber product assembly

Editorial and Equity Report

Editorial Report

1. Cover page	
Information required	Detail
Training Package title and code	FWP Forest and Wood Products Training Package Version 8.0 Part 1 - Sawmilling and Timber Processing project Part 2 - Responding and Assisting in Bushfires project
Number of new qualifications and their titles ¹	0 new qualifications (Parts 1 & 2)
Number of revised qualifications and their titles	6 revised qualifications in total Part 1 – 4 revised qualifications FWP20322 Certificate II in Timber and Wood Products Operations FWP30322 Certificate III in Timber and Wood Products Operations FWP30622 Certificate III in Timber Building Products Supply FWP40222 Certificate IV in Timber and Wood Products Operations Part 2 – 2 revised qualifications FWP20122 Certificate II in Forest Operations FWP30122 Certificate III in Forest Operations (Note: 4 qualifications with minor changes reviewed – refer to Attachment)

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

<p>Number of new units of competency and their titles</p>	<p>10 new units of competency in total Part 1 – 8 new units FWPCOT3345 Develop knowledge of chain of custody certification requirements for forest and wood products FWPCOT3346 Communicate effectively with general public or stakeholders concerned about forest practices FWPCOT4223 Assess requirements of chain of custody certification scheme for forest and wood products FWPCOT4224 Conduct internal audit of chain of custody certification for forest and wood products FWPCOT4225 Apply principles of pneumatics and hydraulics to analyse potential equipment failures FWPTMM3219 Develop knowledge of reconstituted wood panel production FWPTMM3220 Develop knowledge of glue laminated timber or cross laminated timber production FWPTMM4216 Plan for and supervise engineered wood product operations Part 2 – 2 new units FWPFIR3002 Apply communication protocols during post-bushfire vegetation clearing and clean-up operations FWPFIR4001 Conduct tree hazard assessment post-fire (Note: 1 unit with minor change reviewed – refer to Attachment)</p>
<p>Number of revised units of competency and their titles</p>	<p>42 revised units of competency in total Part 1 – 38 revised units Part 2 – 4 revised units FWPCOT2273 Trim and cut felled trees FWPCOT2274 Fell trees manually (basic) FWPCOT3347 Fell trees manually (intermediate) FWPCOT3348 Fell trees manually (advanced) Refer to Attachment for full list of units.</p>
<p>Confirmation that the draft training package components are publication-ready</p>	<p>The draft components reviewed are publication-ready.</p>
<p>Is the Editorial Report prepared by a member of the Quality Assurance Panel? If 'yes' please provide a name.</p>	<p>Yes – Sue Hamilton is a member of the Quality Assurance Panel.</p>
<p>Date of completion of the report</p>	<p>30 May 2022</p>

2. Content and structure

Units of competency

Editorial requirements	Comments
<p>Standard 5: The structure of units of competency complies with the unit of competency template.</p>	<p>The structure of the new and revised units complies with the unit of competency template. This includes:</p> <ul style="list-style-type: none"> Appropriate unit coding and titling. A statement indicating that there are no industry licensing or registration requirements for the units submitted. Prerequisites – no FWP native units submitted include prerequisite requirements. The elements are clearly expressed and demonstrable, and the performance criteria describe the performance needed to demonstrate achievement of the elements. Foundation skills that are not explicit in the performance criteria are included in a separate table in the unit. The status of the unit is clearly stated in the unit mapping information table.
<p>Standard 7: The structure of assessment requirements complies with the assessment requirements template.</p>	<p>The associated assessment requirements for the new and revised units of competency comply with the assessment requirements template.</p> <ul style="list-style-type: none"> The performance evidence reflects workplace tasks and includes a volume and frequency requirement. The knowledge evidence indicates the type and depth of knowledge required for the unit. The assessment conditions field specifies the mandatory conditions for assessment.

Qualifications

Editorial requirements	Comments by the editor
<p>Standard 9: The structure of the information for qualifications complies with the qualification template.</p>	<p>The structure of the six revised qualifications complies with the qualification template.</p> <ul style="list-style-type: none"> All revised qualifications include appropriate coding and titling, a qualification descriptor, mapping information and links to the FWP Companion Volume Implementation Guide (CVIG). No qualification submitted has an entry requirement. All qualifications have clear packaging rules with some offering specialisations. Details of prerequisite requirements for relevant imported units are listed within each qualification.
<p>Standard 10: Credit arrangements existing between Training Package qualifications and Higher Education</p>	<p>The FWP CVIG states that ‘there are currently no nationally applicable credit arrangements between any Skills Impact</p>

Editorial requirements	Comments by the editor
qualifications are listed in a format that complies with the credit arrangements template.	training package qualification and higher education qualification’.

Companion Volumes

Editorial requirements	Comments by the editor
<p>Standard 11: A quality assured companion volume implementation guide is available and complies with the companion volume implementation guide template.</p>	<p>The CVIG for the FWP Forest and Wood Products Training Package, Version 8.0 complies with the companion volume implementation guide template included in the 2012 Standards.</p> <p>The FWP CVIG has been quality assured in line with Skills Impact’s internal processes and this external editorial review.</p>

3. Proofreading

Editorial requirements	Comments by the editor
Unit codes and titles and qualification codes and titles are accurately cross-referenced throughout the training package product(s) including mapping information and packaging rules, and in the companion volume implementation guide.	The qualification and unit codes and titles, including all prerequisite codes and titles, have been proofread and cross-referenced throughout all components reviewed.
Units of competency and their content are presented in full.	The new and revised units of competency and associated assessment requirements and the revised qualifications were presented in full.
<p>The author of the Editorial Report is satisfied with the quality of the training products, specifically with regard to:</p> <ul style="list-style-type: none"> absence of spelling, grammatical and typing mistakes consistency of language and formatting logical structure and presentation of the document. compliance with the required templates 	<p>This editorial review has incorporated checking:</p> <ul style="list-style-type: none"> spelling, grammar and typing errors numbering (codes and performance criteria) checking acronyms consistency of language throughout structure and presentation of documents compliance with templates. <p>Throughout this process, the Skills Impact team responded to suggestions provided during the editorial review.</p>

Attachment 1 FWP v8.0 components

Revised qualifications (6)

FWP20122	Certificate II in Forest Operations
FWP20322	Certificate II in Timber and Wood Products Operations
FWP30122	Certificate III in Forest Operations
FWP30322	Certificate III in Timber and Wood Products Operations
FWP30622	Certificate III in Timber Building Products Supply
FWP40222	Certificate IV in Timber and Wood Products Operations

New units of competency (10)

FWPCOT3345	Develop knowledge of chain of custody certification requirements for forest and wood products
FWPCOT3346	Communicate effectively with general public or stakeholders concerned about forest practices
FWPCOT4223	Assess requirements of chain of custody certification scheme for forest and wood products
FWPCOT4224	Conduct internal audit of chain of custody certification for forest and wood products
FWPCOT4225	Apply principles of pneumatics and hydraulics to analyse potential equipment failures
FWPFIR3002	Apply communication protocols during post-bushfire vegetation clearing and clean-up operations
FWPFIR4001	Conduct tree hazard assessment post-fire
FWPTMM3219	Develop knowledge of reconstituted wood panel production
FWPTMM3220	Develop knowledge of glue laminated timber or cross laminated timber production
FWPTMM4216	Plan for and supervise engineered wood product operations

Revised units of competency (42)

FWPCOT2268	Cut timber or engineered wood product to length or dimensions
FWPCOT2269	Operate and maintain a table saw
FWPCOT2270	Cut wood material with pole saw for unblocking machinery components
FWPCOT2271	Pack timber or wood products for despatch
FWPCOT2272	Rack timber or round poles
FWPCOT2273	Trim and cut felled trees
FWPCOT2274	Fell trees manually (basic)
FWPCOT3332	Machine timber or engineered wood products using CNC machining and processing centres
FWPCOT3333	Conduct heat plant operations
FWPCOT3334	Conduct steam boiler operations
FWPCOT3335	Conduct operator level equipment maintenance in forest and wood products industry
FWPCOT3336	Coordinate set up and operation of timber finger jointing line
FWPCOT3337	Operate timber finger jointing line
FWPCOT3338	Identify glues and gluing systems used in production of wood products
FWPCOT3339	Grade wood product visually
FWPCOT3340	Develop knowledge of log yard operations
FWPCOT3341	Coordinate and monitor wood chip stockpile

Revised units of competency (42)

FWPCOT3342 Screen wood chips
FWPCOT3343 Test wood chips quality
FWPCOT3344 Transfer wood chips
FWPCOT3347 Fell trees manually (intermediate)
FWPCOT3348 Fell trees manually (advanced)
FWPCOT3349 Assess timber against quality requirements and specifications
FWPCOT4221 Plan for and supervise log yard operations
FWPCOT4222 Plan for and supervise timber treatment plant operations
FWPSAW2213 De-stack timber drying racks
FWPSAW2214 Sort timber boards manually
FWPSAW3252 Assemble, operate and dismantle a portable sawmill
FWPSAW3253 Re-saw green timber
FWPSAW3254 Control and monitor automated green mill saw line
FWPSAW3255 Operate conventional log breakdown saw line
FWPSAW3256 Select and saw logs in multi-species operations
FWPSAW3257 Operate timber drying kiln
FWPSAW4208 Plan for and coordinate timber kiln drying operations
FWPSAW4209 Plan for and supervise log processing operations
FWPSAW4210 Plan for and supervise timber dry mill operations
FWPTMM3216 Plane and sand engineered wood product
FWPTMM3217 Develop knowledge of plywood or laminated veneer lumber production
FWPTMM3218 Develop knowledge of veneer preparation in plywood or laminated veneer lumber production
FWPTMM4213 Test finger jointed timber
FWPTMM4214 Test laminated wood product
FWPTMM4215 Plan for and coordinate timber product assembly

New skill sets (9)

FWPSS00068 Entry into a Saw Technician Role Skill Set
FWPSS00069 Entry into a Wood Machinist Role Skill Set
FWPSS00070 Process Control and Optimisation (Timber Sawmills) Skill Set
FWPSS00071 Foundational Leadership and Management (Log Yard Operations) Skill Set
FWPSS00072 Foundational Leadership and Management (Log Processing Operations) Skill Set
FWPSS00073 Foundational Leadership and Management (Timber Dry Mill Operations) Skill Set
FWPSS00074 Foundational Leadership and Management (Timber Kiln Drying Operations) Skill Set
FWPSS00075 Foundational Leadership and Management (Timber Treatment Operations) Skill Set
FWPSS00076 Foundational Leadership and Management (Engineered Wood Products Operations) Skill Set

Minor changes

Qualifications (4)

FWP30920 Certificate III in Timber Truss or Frame Manufacture Release 3
FWP31021 Certificate III in Saw Technology Release 2
FWP31121 Certificate III in Wood Machining Release 2
FWP40121 Certificate IV in Forest Operations Release 2

Units of competency (1)

Minor changes

FWP HAR4209 Plan for and coordinate forest harvesting operations Release 2

Equity Report

Section 1 – Cover page

Information required	Detail
Training Package title and code	FWP Forest and Wood Products Training Package Version 8.0 Part 1 - Sawmilling and Timber Processing project Part 2 - Responding and Assisting in Bushfires project
Number of new qualifications and their titles 1	0 new qualifications (Parts 1 & 2)
Number of revised qualifications and their titles	6 revised qualifications in total Part 1 – 4 revised qualifications FWP20322 Certificate II in Timber and Wood Products Operations FWP30322 Certificate III in Timber and Wood Products Operations FWP30622 Certificate III in Timber Building Products Supply FWP40222 Certificate IV in Timber and Wood Products Operations Part 2 – 2 revised qualifications FWP20122 Certificate II in Forest Operations FWP30122 Certificate III in Forest Operations (Note: 4 qualifications with minor changes reviewed – refer to Attachment)
Number of new units of competency and their titles	10 new units of competency in total Part 1 – 8 new units FWPCOT3345 Develop knowledge of chain of custody certification requirements for forest and wood products FWPCOT3346 Communicate effectively with general public or stakeholders concerned about forest practices FWPCOT4223 Assess requirements of chain of custody certification scheme for forest and wood products FWPCOT4224 Conduct internal audit of chain of custody certification for forest and wood products FWPCOT4225 Apply principles of pneumatics and hydraulics to analyse potential equipment failures FWPTMM3219 Develop knowledge of reconstituted wood panel production FWPTMM3220 Develop knowledge of glue laminated timber or cross laminated timber production FWPTMM4216 Plan for and supervise engineered wood product operations Part 2 – 2 new units FWPFIR3002 Apply communication protocols during post-bushfire vegetation clearing and clean-up operations

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

Information required	Detail
	FWPFIR4001 Conduct tree hazard assessment post-fire (Note: 1 unit with minor change reviewed – refer to Attachment)
Number of revised units of competency and their titles	42 revised units of competency in total Part 1 – 38 revised units Part 2 – 4 revised units FWPCOT2273 Trim and cut felled trees FWPCOT2274 Fell trees manually (basic) FWPCOT3347 Fell trees manually (intermediate) FWPCOT3348 Fell trees manually (advanced) Refer to Attachment for full list of units
Confirmation that the draft training package components meet the requirements in Section 2 Equity checklist of draft training package components	The draft components reviewed meet the requirements in Section 2 Equity checklist of draft training package components
Is the Equity Report prepared by a member of the Quality Assurance Panel? If 'yes' please provide the name.	Yes – Sue Hamilton is a member of the Quality Assurance Panel
Date of completion of the report	30 May 2022

Section 2 – Equity checklist of draft training package components

Equity requirements	Equity reviewer comments
<p>The training package component(s) comply with Standard 2 of the Standards for Training Packages 2012. The standard requires compliance with the Training Package Products Policy, specifically with the access and equity requirements:</p> <p>Training Package developers must meet their obligations under Commonwealth anti-discrimination legislation and associated standards and regulations.</p> <p>Training Package developers must ensure that Training Packages are flexible and that they provide guidance and recommendations to enable reasonable adjustments in implementation.</p>	<p>Provide brief commentary on whether the draft endorsed components meet each of the equity requirements</p> <p>All FWP Training Package components (qualifications, skill sets and units of competency) presented for review comply with Standard 2 of the Standards for Training Packages and the Training Package Products Policy (2019). Revisions made to the components focused on providing greater flexibility and mobility to both entry level and higher-level qualifications and job roles.</p> <p>The FWP Companion Volume Implementation Guide, Version 8. (FWP CVIG) includes guidance to ensure that learners are not discriminated against, and guidance about reasonable adjustment to accommodate learners with disabilities or particular needs. A link to the Disability Standards for Education, 2005 is included.</p>

Section 3 - Training Package Quality Principles

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

Do the units of competency meet the diversity of individual and employer needs and support equitable access and progression of learners?

What evidence demonstrates that the units of competency and their associated assessment requirements are clearly written and have consistent breadth and depth so that they support implementation across a range of settings?

Are there other examples that demonstrate how the key features of flexibility are being achieved?

Equity requirements	Equity reviewer comments
<p>1. What evidence demonstrates that the draft components provide flexible qualifications/units of competency that enable application in different contexts?</p>	<p>The qualifications are structured to provide essential units in the core and include a wide range of electives including imported units from other training packages. Several qualifications have been merged to better reflect current job tasks and to broaden their application across a diverse industry with a thin training market.</p> <p>Many qualifications group elective units to indicate relevant areas of focus to assist with the selection of electives. Four qualifications provide the option of utilising 'specialisations' providing flexibility for industry, workplaces, RTOs and industry.</p> <p>FWP40222 Certificate IV in Timber and Wood Products Operations, revised to provide future production supervisors and technicians with skills required to manage timber or wood products operations, is comprised of all elective units. The Case for Endorsement states that it 'has no core to allow for more flexibility in selecting units based on individual business profiles and skill needs.'</p>

Equity requirements	Equity reviewer comments
	The assessment requirements in the units specify that assessment must take place in a [relevant] workplace (i.e. timber processing plant, timber yard, timber product manufacturing plant, manufacturing facility) or an environment that accurately represents workplace conditions. This flexibility allows the assessment to occur in a range of different contexts. Advice is provided in the FWP CVIG to support assessment in different contexts.
2. Is there evidence of multiple entry and exit points?	The FWP CVIG outlines pathway advice and a succinct diagram depicting the progression pathways between qualifications Although not a formal part of this endorsement submission, the nine new skill sets developed allow for different entry and exit points across qualifications and promote career progression or specialist expertise in particular skills or job roles. They provide options for skills to be recognised, or built on, without the need to achieve a full qualification, and to meet the needs of the various stakeholders.
3. Have prerequisite units of competency been minimised where possible?	No FWP unit of competency included in this submission has a prerequisite requirement.
4. Are there other examples of evidence that demonstrate how the key features of the flexibility principle are being achieved?	Seven of the nine skill sets have been developed utilising imported units from two training packages (BSB and MSS).

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

Support learner transition between education sectors.

Equity requirements	Equity reviewer comments
1. What evidence demonstrates pathways from entry and preparatory level as appropriate to facilitate movement between schools and VET, from entry level into work, and between VET and higher education qualifications?	The FWP qualifications submitted for endorsement cover Certificate II to Certificate IV with pathways described in the FWP CVIG. The CVIG states that three qualifications (FWP20122, FWP20322, FWP30622) in this submission are appropriate for entry level workers and potentially for delivery to secondary students with users advised to contact the relevant STA/TTA for further advice. Advice relating to RPL and apprenticeship/traineeship pathways is provided in the FWP CVIG. The FWP CVIG states that 'There are currently no nationally applicable credit arrangements between any Skills Impact training package qualification and higher education qualification'.

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

Support implementation across a range of settings and support sound assessment practices.

Equity requirements	Equity reviewer comments
<p>1. Does the Companion Volume Implementation Guide include advice about:</p> <p>Pathways</p> <p>Access and equity</p> <p>Foundation skills?</p> <p>(see Training Package Standard 11)</p>	<p>The FWP CVIG, includes comprehensive information about access and equity issues and training pathway information. Guidance is provided to ensure that learners are not discriminated against, and about reasonable adjustment to accommodate learners with disabilities.</p> <p>The FWP CVIG also provides detailed information about foundation skills and the framework/s adopted to describe them. It emphasises that RTOs must consider these skills as part of the training and assessment for each unit.</p>
<p>2. Are the foundation skills explicit and recognisable within the training package and do they reflect and not exceed the foundation skills required in the workplace?</p>	<p>All new and revised units include a table addressing foundation skills based on the Australian Core Skills Framework. The foundation skills identified appear to be reasonable and not exceed the skills required in the workplace.</p>

Attachment 1 FWP v8.0 components

Revised qualifications (6)

FWP20122	Certificate II in Forest Operations
FWP20322	Certificate II in Timber and Wood Products Operations
FWP30122	Certificate III in Forest Operations
FWP30322	Certificate III in Timber and Wood Products Operations
FWP30622	Certificate III in Timber Building Products Supply
FWP40222	Certificate IV in Timber and Wood Products Operations

New units of competency (10)

FWPCOT3345	Develop knowledge of chain of custody certification requirements for forest and wood products
FWPCOT3346	Communicate effectively with general public or stakeholders concerned about forest practices
FWPCOT4223	Assess requirements of chain of custody certification scheme for forest and wood products
FWPCOT4224	Conduct internal audit of chain of custody certification for forest and wood products
FWPCOT4225	Apply principles of pneumatics and hydraulics to analyse potential equipment failures
FWPFIR3002	Apply communication protocols during post-bushfire vegetation clearing and clean-up operations
FWPFIR4001	Conduct tree hazard assessment post-fire
FWPTMM3219	Develop knowledge of reconstituted wood panel production
FWPTMM3220	Develop knowledge of glue laminated timber or cross laminated timber production
FWPTMM4216	Plan for and supervise engineered wood product operations

Revised units of competency (42)

FWPCOT2268	Cut timber or engineered wood product to length or dimensions
FWPCOT2269	Operate and maintain a table saw
FWPCOT2270	Cut wood material with pole saw for unblocking machinery components
FWPCOT2271	Pack timber or wood products for despatch
FWPCOT2272	Rack timber or round poles
FWPCOT2273	Trim and cut felled trees
FWPCOT2274	Fell trees manually (basic)
FWPCOT3332	Machine timber or engineered wood products using CNC machining and processing centres
FWPCOT3333	Conduct heat plant operations
FWPCOT3334	Conduct steam boiler operations
FWPCOT3335	Conduct operator level equipment maintenance in forest and wood products industry
FWPCOT3336	Coordinate set up and operation of timber finger jointing line
FWPCOT3337	Operate timber finger jointing line
FWPCOT3338	Identify glues and gluing systems used in production of wood products
FWPCOT3339	Grade wood product visually
FWPCOT3340	Develop knowledge of log yard operations
FWPCOT3341	Coordinate and monitor wood chip stockpile
FWPCOT3342	Screen wood chips
FWPCOT3343	Test wood chips quality
FWPCOT3344	Transfer wood chips
FWPCOT3347	Fell trees manually (intermediate)
FWPCOT3348	Fell trees manually (advanced)
FWPCOT3349	Assess timber against quality requirements and specifications

Revised units of competency (42)

FWPCOT4221 Plan for and supervise log yard operations
FWPCOT4222 Plan for and supervise timber treatment plant operations
FWPSAW2213 De-stack timber drying racks
FWPSAW2214 Sort timber boards manually
FWPSAW3252 Assemble, operate and dismantle a portable sawmill
FWPSAW3253 Re-saw green timber
FWPSAW3254 Control and monitor automated green mill saw line
FWPSAW3255 Operate conventional log breakdown saw line
FWPSAW3256 Select and saw logs in multi-species operations
FWPSAW3257 Operate timber drying kiln
FWPSAW4208 Plan for and coordinate timber kiln drying operations
FWPSAW4209 Plan for and supervise log processing operations
FWPSAW4210 Plan for and supervise timber dry mill operations
FWPTMM3216 Plane and sand engineered wood product
FWPTMM3217 Develop knowledge of plywood or laminated veneer lumber production
FWPTMM3218 Develop knowledge of veneer preparation in plywood or laminated veneer lumber production
FWPTMM4213 Test finger jointed timber
FWPTMM4214 Test laminated wood product
FWPTMM4215 Plan for and coordinate timber product assembly

New skill sets (9)

FWPSS00068 Entry into a Saw Technician Role Skill Set
FWPSS00069 Entry into a Wood Machinist Role Skill Set
FWPSS00070 Process Control and Optimisation (Timber Sawmills) Skill Set
FWPSS00071 Foundational Leadership and Management (Log Yard Operations) Skill Set
FWPSS00072 Foundational Leadership and Management (Log Processing Operations) Skill Set
FWPSS00073 Foundational Leadership and Management (Timber Dry Mill Operations) Skill Set
FWPSS00074 Foundational Leadership and Management (Timber Kiln Drying Operations) Skill Set
FWPSS00075 Foundational Leadership and Management (Timber Treatment Operations) Skill Set
FWPSS00076 Foundational Leadership and Management (Engineered Wood Products Operations) Skill Set

Minor changes

Qualifications (4)

FWP30920 Certificate III in Timber Truss or Frame Manufacture Release 3
FWP31021 Certificate III in Saw Technology Release 2
FWP31121 Certificate III in Wood Machining Release 2
FWP40121 Certificate IV in Forest Operations Release 2

Units of competency (1)

FWPHAR4209 Plan for and coordinate forest harvesting operations Release 2

Attachment G: Copies of Letters of Support

From: Barry Kuhl <Barry.Kuhl@onefortyone.com>

Sent: Thursday, 14 April 2022 12:58 PM

To: Georgiana Daian <gdaian@forestworks.com.au>

Subject: RE: New Equipment Maintenance Units of Competency [Additional Changes and Validation Required by 15 April]

Hi Georgiana

These read and present well. A couple of my team leaders have also read, reviewed, and discussed .
So, I have nothing else really to add but Great Job , interested to see where this takes us in the future.

Thanks

Barry
Kuhl



Saw Shop Manager
Jubilee Sawmill Mount Gambier

From: Mark Costolloe <Mark.Costolloe@akd.com.au>

Sent: Thursday, 14 April 2022 4:19 PM

To: Georgiana Daian <gdaian@forestworks.com.au>

Subject: RE: New Training Qualifications [Additional Changes and Validation Required by 15 April]

Hi Georgiana,

Sorry for the delay and thanks for the extension. We had a quick review of all units and a detailed review the 3x Qual's and 38x of the units that we thought most relevant for us.

Overall, we are very impressed with the modifications to the rules of the qual's, grouping of units and performance criteria and evidence from an industry perspective. This very much aligns with possible use of units, some qual's and potential skill set clusters for our development programs.

[...]

Regards,

Mark Costolloe
Training Manager
AKD Softwoods

From: Ross Lakin <rlakin@parkside.biz>
Sent: Thursday, 10 March 2022 2:35 PM
To: Georgiana Daian <gdaian@forestworks.com.au>
Subject: RE: New training qualifications require your feedback

Hi Georgiana,

I have reviewed the documents and the qualifications provided.

I have placed answers beside your questions and made some other comments and suggestions outside of these.

1. *Do you believe that the new Certificate II, III and IV offer a relevant/useful selection of courses for developing or updating your staff's skills? What needs to be changed?* – Yes they do. All the units are relevant to what we are using and operating on our sites. There is a clear development and growth requirement for each level that accurately reflects the skill base required. I don't see any need for changes to what is proposed.
2. *Which two courses from any of these qualifications are most pertinent to your company's current or future skill needs? I have attached four courses that may be relevant and specific to your operations.* – Most of our sites are using Scanning Machinery for Grading and these machines are communication directly to Optimising saws or other optimising systems. This for us is something that we offer in house training to achieve at the operator level. Perhaps it could be looked at in more depth next round? Of the four courses that were attached to your email, Finger Jointing and Manufacturing Glulam are very relevant and will develop further in the EWP space for Hardwood companies. So Testing FJ/Glulam and developing knowledge of Glulam is very pivotal to our businesses and the course/modules are accurately worded for the industry. Assessing Glue and gluing systems is typically done at Project and Management level and these are decisions not generally made at the operator or supervisory level, so that module seems to be more for understanding and not deciding on the glue types. As a rule, the decision of glue type is made on glue-ability of each specie and the products final application.
3. *Does the content of those courses adequately describe the tasks and/or knowledge that employees need in the workplace? What needs to be changed?* – Yes they do, and it's a credit to the staff that worded these documents and course modules. Our industry has an enormous amount of specific words and jargon relating to processes, products and job skills, and the understanding of what knowledge is required surprised me with its accuracy.

I especially like the new communication module in dealing with the public concerned about forest practices [...].

So in essence my feedback is extremely positive and I am more than happy with the addition of the new modules, have no problems with the modules being deleted and agree with the modules being revised.

So well done to you and your team!!

Regards

Ross Lakin

Development Manager - Sawmilling
a: 10 North St, Wondai, QLD 4606

From: Stuart Husband <stuart@mcdindustries.com.au>
Sent: Friday, 4 March 2022 1:29 PM
To: Georgiana Daian <gdaian@forestworks.com.au>
Cc: john@mcdindustries.com.au
Subject: Re: New training qualifications require your feedback

Hi Georgiana

Great to hear from you. My apologies for not responding earlier.

A lot of thought has gone into the qualifications - nice work! Overall, I would say they hit the mark.

[...]

Keep up the great work!

Cheers, Stu

Stuart Husband | General Manager - Operations



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

10 June 2022

Georgiana

Re: Support of FWP Training Package Changes (Release 8?)

Timber Training Creswick has over the last 18 months been involved with Forestworks in negotiating changes to the Timber Processing sector or the FWP training package including updating Timber Processing qualifications from AQF levels 2 to 4.

TTC heartily supports these changes in the interest of industry development for this sector.

Sincerely

Rob Rule
Manager/ Company Secretary

From: Kerry Fullarton <K.Fullarton@seqfh.com.au>
Sent: Wednesday, 25 May 2022 12:16 PM
To: Georgiana Daian <gdaian@forestworks.com.au>
Subject: Hub Skills & Training working group

Hi Georgiana

The South East and Central Regional Forestry Hub thanks ForestWorks for the opportunity consult with our local stakeholders regarding the development of training products.

The need for short courses as entry pathways into critical jobs such as saw technicians and wood machinists, both of which are in low supply, and as programs to train future leaders in our industry sectors was identified. As a result of this project the updated qualifications and new skill sets in the training package will support these skill needs.

We support the updated and new training products for timber and wood products operations and look forward to seeing them used to train new and existing employees.

Regards

Kerry Fullarton
South East & Central Queensland
Regional Forestry Hub Manager
0498 018 144

From: Travis Lawson <tlawson@cfmeumd.org>
Sent: Monday, 4 April 2022 3:15 PM
To: Georgiana Daian <gdaian@forestworks.com.au>
Subject: RE: New Training Qualifications [Additional Changes and Validation Required by 15 April]

Hi Georgiana,

I am very pleased with the changes, I think they better reflect the modern changes in our industry.

[...]

Thanks,

Travis Lawson

Organiser
Greater Green Triangle District CFMEU FFPD
1 Crennan Street
Mount Gambier SA 5290