Timber Truss and Frame Estimating and Design

Summary of Validation Feedback, Responses and Actions

3 April 2020

This project includes the development of five new skill sets and one new unit of competency and the review of three qualifications and 25 units of competency within the FWP Forest and Wood Products Training Package.

The final draft materials were developed including feedback provided by stakeholders and subject matter experts (SMEs) during development and following consultation from 14 February to 16 March 2020. The draft materials, as well as a summary of feedback received and the changes made to first drafts, were made available on the Skills Impact website for validation from 23 March 2020 to 3 April 2020.

Direct emails were sent to the Technical Advisory Committee members, comprising industry associations, employers and registered training organisations. The associations used various engagement methods with their members including e-news, briefing notes, face-to-face briefings at the members meetings and/or an online poll to gather feedback on the final components. A Skills Impact News Alert was published on 23 March 2020 inviting feedback via the website, email or phone. Direct emails were also sent to 44 respondents to the online consultation poll. There are only two Registered Training Organisations who deliver the revised qualifications and they both contributed to the development of the units, skill sets and qualifications and during broad industry feedback collected on the draft components. The Training Curriculum Services in Victoria and Western Australia also confirmed their own consultations on this project within associated TAFE networks and industry stakeholders through Industry Training Council. State-based and national industry associations and representatives from the Construction Forestry Maritime Mining And Energy Union (CFMMEU) were informed of the project throughout its progress and encouraged to communicate the projects' consultations to members.

Validation feedback was received from stakeholders via phone, emails and online poll. Below is a summary of the issues raised for the qualifications, units of competency and skill sets developed and reviewed for the Timber Truss and Frame Estimating and Design project, and how these issues have been dealt with. This involves a consideration of the information provided, views of industry stakeholders and from people who are part of the Subject Matter Expert Working Group process. Resolutions are constructed to consider the needs and views of stakeholders to the extent possible, and to comply with the Standards for Training Package 2012. The resolutions may represent a compromise on one or more stakeholder views with the aim of a workable outcome for industry, State and Territory Training Authorities (STAs) and training providers.

Information about the additional units that were reviewed as part of this project are also available at the end of this document.

Acronyms - PC – performance criteria, PE – performance evidence, KE – knowledge evidence, AC – assessment conditions, TAC – Technical Advisory Committee

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Summary of Feedback on Qualifications

Stakeholder Comments and Identified Issues		Consideration and Proposed Resolution
General		
Industry, WA	I have validated the Cert IV course. I approve the other two outlines also. It would be great to see designers in WA undertake these courses.	Thank you for your endorsement and support.
FWP40420 Certificate IV in Timber Systems Design		
Industry, WA	Q13. In your view does this final draft meet the needs of industry? Answer - Yes.	Thank you for your endorsement.

Summary of Feedback on Skill Sets

Stakeholder Comments and Identified Issues		Consideration and Proposed Resolution
FWPSS00045 Stacking and Storing Timber Frames and Trusses Skill Set		
Industry Association, NAT	Stakeholder raised question in relation to the inclusion of unit TLID201 Operate a forklift in the Stacking and Storing Timber Frames and Trusses Skill Set. They have questioned whether RTOs have the capability to deliver this unit, and if not, whether it creates a barrier to the delivery/uptake of the skill set.	Thank you for your feedback. The question was asked directly to the two RTOs who are registered to deliver timber frame and truss qualifications. One RTO can only deliver the unit in one jurisdiction. Other RTO advises the unit is not a high risk forklift licencing unit but covers principles of safe operation and should prepare a learner to be ready for the TLILIC Licence to operate a forklift unit, but cautioned that industry needs to be clear that this is not the high risk licence unit and may not meet their WHS requirements. Confirmed with TAC representative that if a person cannot operate a forklift without a licence, and the unit does not enable a licence to operate a forklift, that it may be confusing for employers and employees. **Action:** Remove unit TLID201 Operate a forklift from the Stacking and Storing Timber Frames and Trusses Skill Set.

Summary of Feedback on Units of Competency

Stakeholder Comments and Identified Issues		Consideration and Proposed Resolution
FWPCOT3307 Create drawings using computer aided design software		
Industry association, NAT	Remove reference in unit to CAD (computer aided design) and refer to as 'computer aided design software' to reflect specific truss and frame nail plate software as well as commercial design and drafting programs. Application: • Remove 'charts' • Include 'component details' • Add 'frame and truss' fabricator	**Adopted.** Title of unit changed from 'computer aided design systems' to 'computer aided design software'. **Adopted.** Wording amended.
	Knowledge evidence: Remove 'create and use layers' as layers not generally used in frame or truss industry sector.	Removed.
FWPCOT3303 Prepare sketches and drawings		
Industry association, NAT	Application: Add 'frame and truss' fabricators in wording	Wording added.
	Performance Evidence: • 1 hand drawn and 1 by computer aided software?	No change. Discussed feedback with stakeholder. Confirmed intent of unit to enable skills and knowledge in drawing, but not specifying method (hand or computer aided) allows flexibility.
FWPCOT4209 Design timber structures		
Industry association, NAT	Performance Evidence: Suggested changing from 'and' to 'or' and specifying 3 different projects. • designed floor framing **or** wall framing **or** roof trusses for a structure with a minimum of 100 square metres for three (3) different projects	Minor editorial change – 'floor framing' changed to 'floor trusses' No other change. Discussed feedback with stakeholder. Confirmed that 'designing timber structures' would require knowledge and skills in designing all components, even if the fabricator did not manufacture all. Stakeholder confirmed support for designing all components in one or more projects, and value in doing all in one project for relationship between components.
FWPTMM2205 Cut material to length and angles		

Industry association, NAT	Performance Evidence: • Include engineered wood products (EWP) • Specify use of at least 2 different grades, species and sizes of timber to be cut.	Adopted and wording changed. EWP also added to knowledge evidence
FWPTMM3213 Read and interpret timber truss or wall frame fabrication plans		
Industry association, NAT	Application: • Insert 'frame and truss' fabricators	Adopted
	Remove PC 1.3 as identification and interpretation of industry codes and standards is undertaken by designer and incorporated into fabrication plans. As above, remove KE of industry codes and standards.	PC 1.3 removed, and from KE
FWPTMM4210 Interpret details of timber floor systems to inform design of plans and production documents		
Industry association, NAT	Application: • Insert 'system' into timber production or design setting	Adopted.
FWPTMM4211 Interpret details of timber wall frames to inform design of plans and production documents		
Industry association, NAT	Application: • Insert 'system' into timber production or design setting	Adopted.
FWPTMM4210 Interpret details of timber roof trusses to inform design of plans and production documents		
Industry association, NAT	Application: • Insert 'system' into timber production or design setting	Adopted.
	PE: In addition to the basic design of a hip and valley roof with a dutch gable PE should also include design of gable end (which could be done on a hip and valley roof project), a complex hip end (off set or multiple hip/fan) and a sloping ridge.	Additional PE requirements included.

Timber Frame and Truss Estimating and Design

Summary of Feedback, Responses and Actions

22 May 2020

This summary covers the review of seven units of competency within the FWP Forest and Wood Products Training Package.

The final draft materials were developed including feedback provided by stakeholders and subject matter experts (SMEs) during development of the units and following broad industry feedback on the drafts collected from 6 April to 1 May 2020. The draft materials, as well as a summary of feedback received and the changes made to first drafts, were made available on the Skills Impact website for validation from 8 to 22 May 2020.

Direct emails were sent to registered training organisations with sawmilling and processing, or timber manufactured product qualifications on scope, as well as employers identified as using these units to gather feedback on the final components. A Skills Impact news alert was published on 8 May 2020 inviting feedback via the website, email or phone.

Validation feedback was received from stakeholders via phone, emails and online poll. Below is a summary of the issues raised for the qualifications, units of competency and skill sets developed and reviewed for the Timber Frame and Truss Estimating and Design project, and how these issues have been dealt with. This involves a consideration of the information provided and views of industry stakeholders. Resolutions are constructed to consider the needs and views of stakeholders to the extent possible, and to comply with the Standards for Training Package 2012. The resolutions may represent a compromise on one or more stakeholder views with the aim of a workable outcome for industry, State and Territory Training Authorities (STAs) and training providers.

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Summary of Feedback on Additional Draft Units of Competency

Stakeholder Comments and Identified Issues		Consideration and Proposed Resolution
General		
RTO, VIC	I have had a look at the unit changes, and they all look much better. No suggested amendments.	Thank you for reviewing these units of competency.
RTO, VIC	We are not using these units in our training courses. Have not got the current experience in these units.	Thank you for your response.
RTO, WA	Thank you for sending through seven (7) additional units for the Timber Truss and Frame Estimating and Design Project for validation. These were distributed to our network with a request for feedback, however we note there are no enrolments in the units within Western Australia. The opportunity to provide feedback is appreciated	Thank you for distributing these units to your networks for validation, and for your response.

Stakeholder Comments and Identified Issues		Consideration and Proposed Resolution
FWPCOT2261 Process orders and prepare for despatch		
Industry, QLD	I feel the updates look fine to me. If there is anything I can add - from a wholesaler's point of view, everything seems very targeted to a retail point of contact, whereas we aren't necessarily completing over the counter transactions.	Thank you for this feedback. PC in Element 2, KE, PE and AC rewritten to clarify order processing process including to enable greater application in a bulk and/or wholesaler workplace.
Industry, QLD	Thanks for your email. Updates look great and definitely suits a wholesale warehouse a lot better than previous editions.	Thank you.
RTO, VIC	This one looks good.	Thank you for reviewing the changes to the unit and for your support.
RTO, QLD	Just reviewed, looks all good.	Thank you for reviewing the changes made, and for your support.

Stakeholder Comments and Identified Issues		Consideration and Proposed Resolution
FWPCOT4421 Monitor stock control procedures		
RTO, VIC	Thank you for sending through the additional 10 FWP units for validation (Timber Truss and Frame and Timber Merchandising). I have read through the units and comments. The only questions are about the equivalent units FWPCOT3236 *Coordinate stock control procedures* and FWPCOT4211 *Monitor stock control procedures.* I can see that the wording in the Application of FWPCOT3236 'coordinate and review' is equivalent to 'monitor' and that the unit outcomes are equivalent. FWPCOT3236 is currently in four certificate III level qualifications. If this work outcome is aligned to a job outcome in AQF level 4 then should this unit be included in one or more Certificate IVs rather than in the Certificate IIIs? If it is staying in the Certificate III should the identifier AQF level be changed? Otherwise I have no further comments.	Thank you for this feedback. We have re-coded *FWPCOT3236 Coordinate stock control procedures* mainly because our training package still uses codes with an identifier number indicative of an AQF qualification, and based on its functional level, this unit was potentially coded incorrectly in the first place. We believe that the new code and title, *FWPCOT4211 Monitor stock control procedures,* reflects the functional level of this unit correctly. FWPCOT4211 has been retained in the Certificate III qualifications until the time comes to review these qualifications. A review of these qualifications will tell us whether this unit might still be a small part of these job roles. FWPCOT4211 has also been added to the elective bank of the Cert IV in Timber Processing as a minor revision, again until we will get an opportunity to review this qualification.