

Advances in Woodmachining and Sawdoctoring Project



Summary of Validation Feedback, Responses and Actions

20 March 2019

This project includes the review of 48 units of competency and four qualifications within the *FWP Forest and Wood Products Training Package*. Draft units were developed as a result of initial input from a Technical Advisory Committee and were made available for broader stakeholder consultation and feedback between 21 January – 20 February 2019. During this time, feedback was received via email, through online surveys, as well as in person at workshops or site visits, and by telephone. Input was received from 17 stakeholders around Australia, including 4 from Registered training organisations, 2 from government bodies, such as Australian independent statutory authorities, state departments and State Training Authorities, and 11 industry representatives.

Between 25 February and 11 March 2019, validation was held where stakeholders, including members of the Technical Advisory Committee were asked to read through all units and qualifications and give feedback as to each document's validity. All documents were also posted online for review.

Visit the [Skills Impact website](#) to view a full list of the qualifications and units that were submitted for validation during this phase.

Below is a summary of the issues raised and how these issues have been dealt with. This involves a consideration of the information provided, views of industry stakeholders where known, and views provided by the people who are part of the Technical Advisory Committee process. Resolutions are constructed to take into account the needs and views of stakeholders to the extent possible, and to comply with the *Standards for Training Packages 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.

Summary of validation feedback on units of competency

Stakeholder Comments and Identified Issues		Consideration and Proposed Resolution
FWP3XXXX Certificate III in Saw Technology		
<ul style="list-style-type: none"> • Consultant, Training Organisation 	<p>Suggestion that the following MEM units be also imported into the Certificate III in Saw Technology as they are useful to the job role and in the past they used to be learnt as part of the saw doctoring qualification:</p> <ul style="list-style-type: none"> • MEM07006C - Perform lathe operations • MEM07005C - Perform general machining • MEM07010B - Perform tool and cutter grinding operations • MEM07008D - Perform grinding operations • MEM12003B - Perform precision mechanical measurement 	<p>It was agreed that this suggestion would be added to the Issues Register for consideration in a future project because it would require further industry consultation. The timeline of the current project does not support further consultations.</p>
FWP3XXXX Certificate III in Saw Technology		
<ul style="list-style-type: none"> • Industry, QLD 	<p>Suggestion to rename the qualification as Cert III in Engineering – Saw Technician.</p>	<p>Views on this feedback were sought from the Technical Advisory Committee. Based on this response, a briefing report was prepared and forwarded to the Industry Reference Committee (IRC) for consideration and decision. The outcome will be communicated to the TAC group.</p>
FWPSAW3XXX Sharpen band saw blades		
<ul style="list-style-type: none"> • Consultant, Training Organisation 	<p>RECOMMEND the following PC be removed.</p> <p>2.1 Apply lockout procedures according to manufacturer instructions before removal of band saw blade</p> <p>2.2 Remove band saw blades from designated machine</p> <p>REASONING: All wide band saw blades are levelled, tensioned, and adjusted for back length in a sawshop prior to grinding.</p>	<p>Adopted</p>

Stakeholder Comments and Identified Issues		Consideration and Proposed Resolution
	<p>These statements assume a blade is removed from saw mill equipment and placed on a sharpener - this is never the case. Narrow band saws are also always inspected prior to being sharpened.</p> <p>Saw blade changing procedures are covered by unit "FWPCOT3212-Replace saw blades and guides"</p>	
FWPSAW3XXX Recondition saw guides		
<ul style="list-style-type: none"> • Consultant, Training Organisation 	<p>Recommend the following PC be removed. These are all covered by new unit FWPCOTXXXX Replace saws-blades-knives and guides</p> <ul style="list-style-type: none"> -1.5 Remove guides from machinery -3.1 Remove worn guides from the carrier without damaging component -3.2 Select replacement guides according to manufacturer instructions -3.3 Insert new guides in the carrier at the correct position and required tolerance without damaging guides -3.4 Adjust guides to clearance according to manufacturer instructions -3.5 Check clearance and guide security before starting saw <p>Move PC "2.8 Segregate and dispose of unserviceable guides according to environmental protection practices" into position (3.1)</p> <p>Rename Element 3: "3. Safely store guides ready for use"</p>	Adopted
FWPSAW3XXX Sharpen tipped circular saw blades		
<ul style="list-style-type: none"> • Consultant, Training Organisation 	<p>Recommend removal of "2.1 Apply lockout procedures according to manufacturer instructions before removal of tipped circular saw blade" Again this activity is covered in new unit</p>	Adopted

Stakeholder Comments and Identified Issues		Consideration and Proposed Resolution
	<p>"FWPCOTXXXX Replace saws- blades-knives-guides". Saw blades are almost never removed from a production machine and sharpened without being thoroughly checked.</p> <p>Clarify statement in Performance Evidence by adding the word "sharpening" to read..."removed and replaced tipped circular saw blades from sharpening equipment"</p>	
FWPSAW3214 Join band saw blades		
<ul style="list-style-type: none"> • Consultant, Training Organisation 	<p>ADD content to the following sub heading...</p> <ul style="list-style-type: none"> • resources, equipment and materials: • band saw welding equipment including Gas Metal Arc Welding (GMAW), Gas Tungsten Arc Welding (GTAW), Flash butt welders, Butt welders. 	Adopted
FWPSAW3XXX Replace Stellite tips		
<ul style="list-style-type: none"> • Consultant, Training Organisation 	<p>Add word [alloy] and remove words [braze] [silver solder] so statement reads as follows</p> <ul style="list-style-type: none"> • brazing material including silver "alloy", special shock absorbing shim, flux in the form of a liquid or paste. <p>REASON:</p> <p>(a) "Alloy" is the consumable - "braze" or "to braze" is the process.</p> <p>(b) "Silver solder" is used primarily in the electrical and plumbing trades. Carbide and stellite tips are never "soldered". The composition of silver solder has little in common with the silver alloy used to braze carbide and stellite saw tips</p> <p>COMMENT: This unit is unsuitable for use in the Pre-Apprenticeship category. It would be far better to replace it with FWPSAW3218</p>	Adopted

Stakeholder Comments and Identified Issues		Consideration and Proposed Resolution
	<p>Replace tungsten tips.</p> <p>REASON: Carbide tipping is a universal practice and with few exceptions a required skill all but a few sawshops. Stellite use is predominantly limited to larger softwood sawmills.</p>	
FWPSAW3XXX Assess and maintain band saw wheels		
<ul style="list-style-type: none"> • 	<p>Improve "Application" description to read as follows... "This unit of competency describes the skills and knowledge required to fit special wheel dressing equipment to bandmill wheels, resurface the wheel profiles and reassemble the bandmill in readiness for production".</p> <p>Using the term "Bandmill" is more subject specific. "Band saw could mean bandmill (the machine) or the actual blade that does the cutting. *This comment also applies to wording of following sentence.</p> <p>Re: Foundation skills - Numeracy section...</p> <p>Remove • Estimate the speed of band saw wheel rotation with the speed and depth of cut.</p> <p>Reason: Impossible to do and skill is never required under any circumstances. This unit is specific to the task of resurfacing profiles on bandmill wheels. There are no other references to a sawing process in this unit</p>	Adopted
Certificate III in Saw Technology		
<ul style="list-style-type: none"> • Department of Education, WA 	<p>My query relates to the introduction of the MEM units into the FWP40216 Certificate IV in Timber Processing. The critical issue in the new MEM Training Package proposed mandated workplace hours in identified critical trade units.</p> <p>Has the SSO/IRC considered the implications of these to employers and learners?</p>	Response attached below

Stakeholder Comments and Identified Issues	Consideration and Proposed Resolution
<p>It appears that the prerequisites for each unit are being offered as electives in Certificate III Saw Technology. Is that the intention and what happens if the learner wants to do the Certificate IV but does not have the prerequisites for the MEM units in the Certificate IV?</p>	

Response to feedback regarding MEM pre-requisites

Just to clarify, this element of the project dealing with the introduction of the MEM units into the 2 qualifications has not been finalised. The units and approaches from the draft qualifications have been established with the industry stakeholders based on the current knowledge of the MEM developments. The final list of the MEM units as electives in these qualifications will depend on the time when the new release of the MEM Training Package will happen relative to the completion of this project. We are constantly seeking updates from IBSA.

About the project and the introduction of the MEM units in the 2 qualifications

- Due to new job role requirements, stakeholders indicated that basic mechanical skills are needed in Cert III in Saw Technology. The unit MEM18055B from the MEM Manufacturing and Engineering Training Package was considered as a suitable solution, and it was suggested for being listed on the qualification as elective together with all its prerequisites. In total, there are 10 MEM units considered for importation into this qualification.
- Also, there are 3 MEM welding units which have previously been included in the Cert III in Saw Doctoring. They will remain listed as electives.
- Stakeholders also looked at possible options to offer Saw Technicians (previously Saw Doctors) a career pathway towards higher-level technical jobs through skills in troubleshooting hydraulic and pneumatic systems. The project considered a potential new qualification at AQF level 4, but there was not enough scope to pursue the idea. As a result, and an alternative solution, 5 MEM units were suggested for being imported in Cert IV in Timber Processing. These units are:

MEM18019B Maintain pneumatic systems

MEM18018C Maintain pneumatic system components

MEM18021B Maintain hydraulic systems

MEM18020B Maintain Hydraulic System Components

MEM18071B Connect/disconnect fluid conveying system components

Responding to the questions:

1. Unlike Cert III in Saw Technology, not all the MEM prerequisite units of the main MEM technical units have been imported into FWP40216 Certificate IV in Timber Processing. There have been added only those prerequisite units that are not listed in the Certificate III in Saw Technology. Industry stakeholders considered that a duplication of the MEM units across the 2 qualifications would be unnecessary.

It is expected that Saw Technicians, who undertake the Certificate III in Saw Technology and wish to pursue a technical higher-level job role, will chose all relevant MEM units as electives during this qualification; that is, before considering the Certificate IV. If the MEM units are not chosen at this stage but are considered later when doing the Certificate IV, the RTO should require the student to have the prerequisite units as entry requirements based on their packaging choices. These

units will not count towards the number of electives required by the packaging rules of the qualification. It also means that these prerequisite units would not be funded as part of the qualification funding scheme.

2. The mandated hours for work placement from the assessment requirements of the MEM units have been considered and discussed with industry stakeholders in our consultations.

The mandated hours are unlikely to affect employers and learners because about 99% of training and assessment in the timber industry occurs on the job under partnership arrangements between employer and RTO. An anticipated challenge would be for the RTOs. The current RTOs who deliver the FWP31019 Certificate III in Saw Technology and FWP40216 Certificate IV in Timber Processing would need to build relationships and coordinate assessments with RTO assessors who have current MEM vocational competency.

We understand that the number of mandated hours specified in the MEM units is a total number of hours for work placement across the MEM qualification (or in our case, for the group of units that are taken concurrently). It is not the hours per unit. We are seeking further clarifications from IBSA.