Advances in Woodmachining and Sawdoctoring Project

Summary of Feedback, Responses and Actions

22 February 2019

This project includes two revised qualifications, 10 new units of competency (six of which have been developed across this project and the Sawmill Timber and Process Optimisation Project) and 39 revised units within the *FWP Forest and Wood Products Training Package*. Sixteen units of competency (9 within the project scope and 7 outside the project scope) are proposed to be removed from the 2 revised qualifications.

Draft qualifications and skills standards have been developed through consultation and substantial input received from a group of more than 30 industry experts (Technical Advisory Committee) from August to December 2018. The drafts were widely circulated via industry associations, Industry Reference Committees, Technical Advisory Committees and industry newsletters and available for public consultation and further feedback between 21 January and 15 February 2019.

The table below shows all the feedback received during the public consultation and describes how each comment has been addressed.

> *Note that responses to feedback take into account the needs and views of stakeholders to the extent possible and to comply with the Standards for Training Package. The resolutions may represent a compromise on one or more stakeholder views with the aim of a balanced and functional outcome for industry, State and Territory Training Authorities (STAs) and training providers.*

The draft documents have been updated to incorporate this feedback, and they are now available on the Skills Impact website for being viewed and validated until 11 March 2019.

Feedback and response table

Stakeholder category	Training product code and title	Feedback	Response
Consultant, training organisation	FWPSAW3XXX Replace Stellite tips	• Move 2.3 to 2.2 • Rephrase old 2.2 (now 2.3) to read as follows..."Assess saw blade and tip cutting edge condition" • Rephrase 2.4 to read as follows..."Determine tips requiring replacement and compare, check and mark against tolerances" • Rephrase 2.5 to read as follows..." Clean saw, tip, and machine contact surfaces to ensure setup accuracy and efficient heat flow during silver brazing or welding " NOTE: Technically, Stellite tipping involves either brazing using silver alloy or welding - NEVER silver soldering. Soldering (a low heat process) is done for instance in the plumbing and electrical trades. NOTE: Element 2 must introduce welding as a tipping process for consistency because it is clearly described as a process in (3.1) (3.3) (3.4) (3.5) (3.7)	All adopted (unit updated)
Consultant, training organisation	FWPCOT3XXX Load and prove operating program for computer numerical controlled (CNC) machine	• Reviewed the unit and all ok	No action required
Consultant, training organisation	FWPCOT3XXX Operate CNC equipment for grinding, tensioning and levelling saw blades	• Reviewed the unit and all ok	No action required
Consultant, training organisation	FWPCOT3XXX Hand sharpen knives and blades for commercial	• Reviewed the unit and all ok	No action required

Stakeholder category	Training product code and title	Feedback	Response
	and domestic cutting services		
Consultant, training organisation	FWPSAW3XXX Assess and maintain band saw wheels	• Remove reference to band saw in [2.2] as band saw blades are removed during wheel grinding	Adopted (unit updated)
Consultant, training organisation	FWPSAW3XXX Recondition saw guides	• Guides are never sharpened. Substitute words "are sharpened" in Knowledge Evidence (dot point 7) with the word "machined"	Adopted (unit updated)
Consultant, training organisation	FWPSAW3214 Join band saw blades	• Amend (2.3) to read "Set up and pre-heat blade ends and jig to specified tolerances"	Adopted (unit updated)
		• Add new (2.5) "Loosen clamps and anneal joint immediately after welding "	Adopted (unit updated)
		• Rephrase performance evidence (dot point 2, sub-dot 3) to read as follows: "welded and annealed blades to specified requirements"	Adopted (unit updated)
		• Insert words in Knowledge Evidence (dot point 3) after "join" to read..."join and anneal band saw blades" NOTE: Annealing is a critical procedure in welding band saw steels. All welds will immediately break open if not annealed	Adopted (unit updated)
		• Insert words Knowledge Evidence (dot point 4) after the word "joining" to read as follows..."and annealing..."	Adopted (unit updated)
		• Remove 2.1 "Remove and replace band saw blades from machinery". In saw shop servicing the technician would not be required to remove the blade from the machine. In a sawmill, this task would be covered by another unit "FWPCOT3XXX Replace saw blades, knives and guides"	Removed from unit. Note: We split element 2 in two elements due to a large number of Performance Criteria.

Stakeholder category	Training product code and title	Feedback	Response
Industry, National	Draft Saw Technology (Saw Doctor) qualification and units of competency	• Pleased to note that all our requests have been included in the documents. Hopefully more students will take up these courses and help our industry in the future. We need them to sustain manufacturing in this country.	No action required
Industry, QLD	Draft Saw Technology (Saw Doctor) qualification and units of competency	• Comfortable with the drafts	No action required
Industry, SA	Draft Saw Technology (Saw Doctor) qualification and units of competency	• Comfortable with the drafts	No action required
Training organisation	Draft Saw Technology (Saw Doctor) and Wood Machining qualifications and units of competency	• Very comfortable with the draft qualifications and unit content	No action required
Training organisation	Draft Wood Machining qualification and units of competency	• All is good. The drafts have also been checked with trainers to confirm that they are happy with the final result.	No action required
Industry, SA	Draft new units for sawmill optimisation	• Reviewed the new units and all ok in addition to the comments below	No action required
Industry, SA	FWPCOT3XXX Apply principles of timber and process optimisation in sawmill operations	• An additional unit needs to cover root cause analysis. This skill is a key to understand opportunities described in (1.3) (1.4) and (1.5) or even the changes required to gain the benefit of these opportunities identified through optimisation. Without the skill or structure in determining the root cause to an issue or opportunity, the rest of the criteria will be difficult to excel at.	The unit MSMSUP390 Use structured problem-solving tools covers root cause analysis principles and it has been added to Cert III in Wood Machining, Cert III in Saw Doctoring and Cert IV in Timber Processing. Because this feedback suggests that skills in root cause analysis also impact on optimisation processes, we suggest adding this unit to Cert III in Sawmilling and Processing.
Industry, SA	FWPCOT3XXX Apply knowledge of timber properties, sawmill	• Add the words 'features, properties' before the word defects in 1.4	Adopted (unit updated)

Stakeholder category	Training product code and title	Feedback	Response
	operations and sawmilling		
Industry, TAS	FWPCOT3XXX Apply knowledge of timber properties, sawmill operations and sawmilling	• What guidelines will be used to determine the value/species of logs? Will this follow to log grading?	Amended 1.1 as follows to provide clarification: *1.1 Name species, grades and relative value of logs according to rules established by state forestry organisation, local forest owners or purchasing sawmill for a specific or intended end use* The project identified gaps in underpinning knowledge related to timber properties across many tasks carried out in sawmill. This unit attempts to address these gaps and it is designed to be used in conjunction with more technical units such as log grading and processing operations.