

Modification History

Release	Comments
Release 1	This version released with FWP Forest and Wood Products Training Package Version 5.0

FWP3XXXX	Certificate III in Saw Technology																					
<p>Qualification Description</p> <p>This qualification reflects the job role of saw technicians who service, maintain and align saw blades, knives and guides for timber sawmilling machines and other applications. Saw technicians may also inspect, test, maintain and troubleshoot mechanical components on sawing machine centres to achieve sawing production rates and product tolerances.</p> <p>No licensing, legislative or certification requirements apply to this qualification at the time of publication.</p>																						
<p>Entry Requirements</p> <p>There are no entry requirements for this qualification.</p>																						
<p>Packaging Rules</p> <p>To achieve this qualification, competency must be demonstrated in:</p> <ul style="list-style-type: none"> 26 units of competency: <ul style="list-style-type: none"> 7 core units plus 19 elective units. <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. The electives are to be chosen as follows:</p> <ul style="list-style-type: none"> All units from Group A or Group B A minimum of 8 units from Group C All remaining units from Group C and D Up to 2 units from any currently endorsed Training Package or accredited course. <p>Elective units must be relevant to work undertaken in the sawmilling and processing sector of the industry.</p>																						
<p>Core Units</p> <table border="1"> <tbody> <tr> <td>BSBFLM312</td> <td>Contribute to team effectiveness</td> <td><i>No change</i></td> </tr> <tr> <td>FWPCOT3XXX</td> <td>Assess and maintain saw technology tools</td> <td><i>Previously FWPCOT3211 Maintain sawdoctoring tools</i></td> </tr> <tr> <td>FWPSAW3218</td> <td>Replace tungsten tips</td> <td><i>Added from the elective bank</i></td> </tr> <tr> <td>FWPSAW3228</td> <td>Apply principles of blade design to sawing procedures</td> <td><i>No change</i></td> </tr> <tr> <td>FWPCOT3XXX</td> <td>Sharpen and position blades or knives for chipper, canter and reducer</td> <td><i>Previously FWPCOT3233 Sharpen and align blades and knives</i></td> </tr> <tr> <td>FWPCOT3XXX</td> <td>Identify levelling and tensioning requirements for saw blades</td> <td><i>New unit</i></td> </tr> <tr> <td>FWPCOT3XXX</td> <td>Apply knowledge of timber properties, sawmill operations and sawmilling equipment</td> <td><i>New unit</i></td> </tr> </tbody> </table>		BSBFLM312	Contribute to team effectiveness	<i>No change</i>	FWPCOT3XXX	Assess and maintain saw technology tools	<i>Previously FWPCOT3211 Maintain sawdoctoring tools</i>	FWPSAW3218	Replace tungsten tips	<i>Added from the elective bank</i>	FWPSAW3228	Apply principles of blade design to sawing procedures	<i>No change</i>	FWPCOT3XXX	Sharpen and position blades or knives for chipper, canter and reducer	<i>Previously FWPCOT3233 Sharpen and align blades and knives</i>	FWPCOT3XXX	Identify levelling and tensioning requirements for saw blades	<i>New unit</i>	FWPCOT3XXX	Apply knowledge of timber properties, sawmill operations and sawmilling equipment	<i>New unit</i>
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FWPCOT3XXX	Apply knowledge of timber properties, sawmill operations and sawmilling equipment	<i>New unit</i>																				

Elective Units

An asterisk (*) next to the unit code indicates that there are prerequisite requirements which must be met when packaging the qualification. Please refer to the Prerequisite requirements table for details.

Group A – General electives (service operations)

FWPCOR2201	Work effectively in the forest and forest products industry	<i>Moved from the core</i>
FWPCOR3201	Implement safety, health and environment policies and procedures	<i>Moved from the core</i>
FWPCOR2202	Communicate and interact effectively in the workplace	<i>Moved from the core</i>
FWPCOT3204	Prepare and interpret sketches and drawings	<i>Moved from the core</i>

Group B – General electives (maintenance engineering)

MEM13015	Work safely and effectively in manufacturing and engineering	<i>NEW unit expected in the next version of the MEM, sitting also as prerequisite in most MEM units. Added - subject to the release of the new MEM version</i>
MEM16006A	Organise and communicate information	<i>Added - imported unit</i>
MEM14006	Plan work activities	<i>NEW unit expected in the next version of the MEM, sitting also as prerequisite in most MEM units. Added - subject to the release of the new MEM version</i>
MEM09002B	Interpret technical drawing	<i>Imported unit, similar to FWPCOT3204 Prepare and interpret sketches and drawings from Group A</i>

Group C – Saw technology (service operations)**Servicing saw blades and guides**

FWPCOT3215	Swage and shape saw blades	<i>No change</i>
FWPCOT3XXX	Replace saw blades, knives and guides	<i>Previously FWPCOT3212 Replace saw, blades and guides</i>
FWPSAW3XXX	Sharpen band saw blades	<i>Previously FWPSAW3207 Sharpen band saws</i>
FWPSAW3XXX	Sharpen circular saw blades	<i>Previously FWPSAW3208 Sharpen circular saws</i>
FWPSAW3XXX	Sharpen tipped circular saw blades	<i>Previously FWPSAW3212 Sharpen tipped circular saws</i>
FWPSAW3219	Replace Stellite tips	<i>No change</i>
FWPCOT3XXX	Assess and maintain saw blade and sawing machine performance	<i>Previously FWPCOT3216 Assess and maintain saw performance</i>
FWPSAW3XXX	Level and tension circular saw blades	<i>Previously FWPSAW3213 Level and tension circular saws</i>
FWPSAW3XXX	Assess and maintain wide band saw blades	<i>Previously FWPSAW3220 Maintain wide band saw blades</i>
FWPCOT3XXX	Operate CNC equipment for grinding, tensioning and levelling saw blades	<i>New unit</i>
FWPSAW3XXX	Recondition saw guides	<i>Previously FWPSAW3211 Recondition guides</i>

Servicing cutters for timber processing		
FWPCOT3XXX	Sharpen cutters using a straight knife grinder	<i>Previously FWPCOT3210 Sharpen cutting tools</i>
FWPCOT3XXX	Sharpen cutters in head using a profile knife grinder	
FWPCOT3XXX	Sharpen cutters in head using a straight knife grinder	
FWPCOT3217	Assess and maintain cutter performance	<i>No change</i>
FWPCOT3XXX	Manufacture profile cutters	<i>Previously FWPCOT3213 Manufacture cutting tools</i>
FWPCOT3237	Produce templates	<i>No change</i>
Servicing sawing machine		
FWPSAW3209	Align sawing production systems	
FWPSAW3XXX	Assess and maintain band saw wheels	<i>Previously FWPSAW3222 Recondition band mill wheels</i>
Other services		
FWPSAW3XXX	File and set saw blades for hand saws and circular saws	<i>Previously FWPSAW3210 File and set saws</i>
FWPCOT3XXX	Hand sharpen knives and blades for commercial and domestic cutting services	<i>Previously FWPCOT3201 Hand sharpen knives and blades</i>
FWPCOT2XXX	Operate and maintain a table saw	<i>Added - Replaces FWPCOT2208 Resaw boards and timber</i>
Group D – Saw technology (maintenance engineering)		
Mechanical maintenance		
MEM18055B*	Dismantle, replace and assemble engineering components	<i>Added - imported unit</i>
MEM18001C	Use hand tools	<i>Added - imported unit</i>
MEM12023A	Perform engineering measurements	<i>Added - imported unit</i>
MEM11011B	Undertake manual handling	<i>Added - imported unit</i>
MEM12024A	Perform computations	<i>Added - imported unit</i>
MEM18002B	Use power tools/hand held operations	<i>Added - imported unit</i>
Welding		
FWPSAW3214	Join band saw blades	<i>No change</i>
MEM05006C	Perform brazing and/or silver soldering	<i>Moved from the core</i>
MEM05049B	Perform routine gas tungsten arc welding	<i>No change</i>
MEM05050B	Perform routine gas metal arc welding	<i>No change</i>
Quality processes		
FWPCOT3263	Maintain and contribute to energy efficiency	<i>No change</i>
FWPCOT3XXX	Apply principles of timber and process optimisation in the sawmill	<i>New unit</i>
FWPCOT3XXX	Apply knowledge of wood technology principles to end-use applications	<i>Previously FWPCOT3247 Select timber for forestry operations</i>
MSS404052	Apply statistics to operational processes	<i>Added - imported unit</i>
MSMSUP390	Use structured problem-solving tools	<i>Added - imported unit</i>
MSS402040	Apply 5S procedures	<i>Added - imported unit</i>
FWPSAW3217	Hard face saw teeth	<i>Unit no longer required</i>
FWPSAW3218	Replace tungsten teeth	<i>Added to the core</i>
FWPSAW3224	Profile saw blanks	<i>Unit no longer required</i>
FWPSAW3225	Maintain frame saw blades	<i>Unit no longer required</i>
MEM05004C	Perform routine oxyacetylene welding	<i>Unit no longer required</i>

Prerequisite requirements	
Unit of competency	Prerequisite requirement
MEM18055B Dismantle, replace and assemble engineering components	MEM09002B Interpret technical drawing MEM12023A Perform engineering measurements MEM18001C Use hand tools MEM18002B Use power tools/hand held operations

Qualification Mapping Information			
Code and title current version	Code and title previous version	Comments	Equivalence status
FWP3XXXX Certificate III in Saw Technology	FPI30711 Certificate III in Sawdoctoring (Release 3)	Qualification updated to reflect new name, additional units added to the core, units removed, and additional imported units.	

Links
Companion Volumes, including Implementation Guides, are available at VETNet:
<https://vetnet.education.gov.au/Pages/TrainingDocs.aspx?q=0d96fe23-5747-4c01-9d6f-3509ff8d3d47>