

**Modification history**

Release	Comments
Release 1	This version released with FWP Forest and Wood Products Training Package Version 8.0.

FWPCOT3XXX	Operate and maintain a table saw
<b>Application</b>	<p>This unit of competency describes the skills and knowledge required to use a table saw to cut timber or engineered wood products. This activity includes assessing sawing conditions and adjusting feed rate and sawing equipment to maximise product quality.</p> <p>The unit applies to individuals who use a table saw to saw timber or engineered wood products in a wood products facility.</p> <p>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.</p> <p>No licensing, legislative or certification requirements apply to this unit at the time of publication.</p>
<b>Prerequisite Unit</b>	Nil
<b>Unit Sector</b>	Common Technical (COT)

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
1. Prepare for operation	1.1 Determine job requirements from work order and cutting pattern and, where required, seek clarification from appropriate personnel 1.2 Confirm workplace health and safety procedures, including the use of personal protective equipment, equipment lock-out and safe manual handling techniques 1.3 Identify, assess and take actions to mitigate hazards and associated risks with operating a table saw 1.4 Identify workplace environmental protection procedures for minimising and disposing of waste material, cleaning tools and equipment, and maximising energy efficiency 1.5 Check input product to ensure supply and quality meets specification
2. Operate table saw	2.1 Follow machine lock-out procedures and adjust saws, carriage, speeds and feeds to suit type of material, dimensions and cutting sequence 2.2 Use table saw according to workplace safety procedures, manufacturer instructions and environmental protection practices 2.3 Select and follow cutting sequence to produce required quantity 2.4 Maintain feed rate appropriate to condition and size of product 2.5 Clear work area according to workplace safety procedures 2.6 Dispose of incorrect cuts, offcuts and defective product according to workplace and environmental requirements 2.7 Stack material safely in designated location according to workplace procedure

<b>Elements</b>	<b>Performance Criteria</b>
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
3. Assess sawing conditions and maintain optimum sawing processes	3.1 Assess sawing conditions regularly to determine optimal feed rate and finish 3.2 Adjust sawing feed rate to achieve finished dimensions according to work order 3.3 Evaluate finished product regularly and adjust the sawing process to maximise product quality 3.4 Regularly measure dimensions of finished product against standard sizes and tolerances, and adjust the sawing process 3.5 Identify routine processing and equipment faults and resolve or report to appropriate personnel 3.6 Complete production and quality records and report according to workplace procedures
4. Complete operator maintenance	4.1 Lock out machine and equipment according to workplace safety procedures 4.2 Check saw blades for bluntness or damage 4.3 Remove and replace blades according to manufacturer recommendations 4.4 Dispose of used blades according to workplace procedures and environmental protection practices 4.5 Complete basic non-specialist maintenance of equipment 4.6 Record and report equipment faults and maintenance requirements to appropriate personnel

<b>Foundation Skills</b>	
<i>This section describes those language, literacy, numeracy and employment skills that are essential for performance in this unit of competency but are not explicit in the performance criteria.</i>	
<b>Skill</b>	<b>Description</b>
Reading	<ul style="list-style-type: none"> <li>Interpret routine workplace documents including workplace health and safety guidelines, workplace procedures, cutting lists and work orders</li> </ul>
Oral communication	<ul style="list-style-type: none"> <li>Ask questions and actively listen to clarify work orders and job tasks and report workplace issues</li> </ul>
Numeracy	<ul style="list-style-type: none"> <li>Calculate the feed rate to optimise the quality and quantity of production output</li> <li>Accurately measures dimensions of sawn timber against standard sizes and tolerances</li> </ul>

<b>Unit Mapping Information</b>			
<b>Code and title current version</b>	<b>Code and title previous version</b>	<b>Comments</b>	<b>Equivalence status</b>
FWPCOT2XXX Operate and maintain a table saw	FWPCOT2245 Operate and maintain a table saw	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	Not equivalent

<b>Links</b>	Companion Volumes, including Implementation Guides, are available at VETNet: <a href="https://vetnet.education.gov.au/Pages/TrainingDocs.aspx?q=0d96fe23-5747-4c01-9d6f-3509ff8d3d47">https://vetnet.education.gov.au/Pages/TrainingDocs.aspx?q=0d96fe23-5747-4c01-9d6f-3509ff8d3d47</a>
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<b>TITLE</b>	<b>Assessment requirements for FWPCOT3XXX Operate and maintain a table saw</b>
<b>Performance Evidence</b>	
<p>An individual demonstrating competency must satisfy all of the elements and performance criteria in this unit.</p> <p>There must be evidence that the individual has operated a table saw to perform one of the following tasks:</p> <ul style="list-style-type: none"> <li>• cut two sets of distinct engineered wood products to length and/or width within specified tolerances</li> <li>• re-saw two batches of timber or timber offcuts to length and width within specified tolerances.</li> </ul> <p>In performing this task, the individual has:</p> <ul style="list-style-type: none"> <li>• followed work order and relevant workplace health and safety and environmental protection procedures</li> <li>• selected, fitted and used personal protective equipment (PPE)</li> <li>• operated table saw according to workplace procedures</li> <li>• assessed sawing conditions and maintained optimum sawing processes</li> <li>• completed production and quality records for the job</li> <li>• stacked cut materials in the designated storage location</li> <li>• completed basic non-specialist maintenance on the saw used.</li> </ul>	

<b>Knowledge Evidence</b>	
<p>An individual must be able to demonstrate the knowledge required to perform the tasks outlined in the elements and performance criteria of this unit. This includes knowledge of:</p> <ul style="list-style-type: none"> <li>• timber or engineered wood products to be cut using a table saw: <ul style="list-style-type: none"> <li>• range of industry standard lengths, cross-sections and tolerances and applicable terminology</li> <li>• typical cutting patterns</li> <li>• defects and how they impact on the quality of finished products</li> </ul> </li> <li>• types, purpose, features, operation and basic non-specialist repair and maintenance of table saws</li> <li>• methods for assessing saw blade condition and completing basic non-specialist repair and maintenance for saws</li> <li>• problems that may occur during sawing operations, including: <ul style="list-style-type: none"> <li>• equipment faults and malfunctions</li> <li>• quality of product and machine settings</li> <li>• transfer and flow of material</li> <li>• routine sawing problems</li> <li>• feed rate and product finish</li> <li>• infeed and outfeed systems</li> <li>• damage to sawn material</li> <li>• damage to saw blade</li> <li>• material positioning</li> </ul> </li> <li>• types of hazards and associated risks and mitigation measures with operating and maintaining table saws</li> <li>• workplace procedures specific to operating and maintaining table saws: <ul style="list-style-type: none"> <li>• workplace health and safety, with particular emphasis on equipment lock-out, the use of PPE and safe manual handling techniques</li> <li>• use and maintenance of equipment</li> <li>• communication reporting lines</li> <li>• recording and reporting of production outcomes and equipment faults</li> </ul> </li> <li>• environmental protection practices for forest products factory settings: <ul style="list-style-type: none"> <li>• cleaning plant, tools and equipment</li> <li>• disposing of, recycling and reusing waste materials.</li> </ul> </li> </ul>	

<b>Assessment Conditions</b>	
<p>Assessment of the skills in this unit of competency must take place under the following conditions:</p> <ul style="list-style-type: none"> <li>• physical conditions:</li> </ul>	

<b>Assessment Conditions</b>	
<ul style="list-style-type: none"><li>• skills must be demonstrated in a workplace or environment that accurately represents workplace conditions</li><li>• resources, equipment and materials:<ul style="list-style-type: none"><li>• table saw</li><li>• tools and equipment for operator maintenance of table saw</li><li>• PPE suitable for operating and maintaining a table saw</li><li>• range of timber or engineered wood products</li></ul></li><li>• specifications:<ul style="list-style-type: none"><li>• workplace safety and environmental policies and procedures applicable to using a table saw for cutting timber or engineered wood products</li><li>• workplace procedures for operating and maintaining table saws</li><li>• work order specifying final product dimensions and requirements.</li></ul></li></ul> <p>Assessors of this unit must satisfy the requirements for assessors in applicable vocational education and training legislation, frameworks and/or standards.</p>	
<b>Links</b>	Companion Volumes, including Implementation Guides, are available at VETNet: <a href="https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=0d96fe23-5747-4c01-9d6f-3509ff8d3d47">https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=0d96fe23-5747-4c01-9d6f-3509ff8d3d47</a>