



Australian Government

FWPCOT2245 Operate and maintain a table saw

Release: 1

FWPCOT2245 Operate and maintain a table saw

Modification History

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

Application

This unit of competency describes the skills and knowledge required to use a table saw to produce sawn timber by re-sawing larger timber. This activity includes assessing sawing conditions and adjusting feed rate and sawing equipment to maximise product quality.

The unit applies to individuals who re-saw timber in a timber processing or manufacturing facility.

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.

No licensing, legislative or certification requirements apply to this unit at the time of publication.

Pre-requisite Unit

Nil

Unit Sector

Common Technical (COT)

Elements and Performance Criteria

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 Review work order and cutting pattern and, where required, seek clarification from appropriate personnel 1.2 Review workplace health and safety procedures, including the use of personal protective equipment, equipment lock-out and safe manual handling techniques

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	1.3 Identify, assess and take actions to mitigate risks and hazards associated 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 timber to ensure supply and quality meets specification 1.6 Prepare timber supplies for re-sawing to sustain production requirements
2. Operate table saw	2.1 Follow machine lock-out procedures and adjust saws, carriage, speeds and feeds to suit types of timber, 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 timber condition and size 2.5 Regularly tally re-sawn timber against work order 2.6 Clear work area according to workplace safety procedures 2.7 Identify damaged sawn timber and dispose of or recycle according to environmental protection practices
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 sawn timber regularly and make adjustments to the sawing process to maximise product quality 3.4 Regularly measure cross-section dimensions of sawn timber 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

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	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

Foundation Skills

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.

Skill	Description
Numeracy	- Identifies quantities of required material within work orders, and counts raw materials - Calculates the feed rate to optimise the quality and quantity of production output - Accurately measures cross-section dimensions of sawn timber against standard sizes and tolerances - Completes routine production records involving dimensions and quantities tallied against orders
Navigate the world of work	Understands main tasks, responsibilities and boundaries of own role
Interact with others	Uses modes of communication suitable to purpose to confirm and clarify understanding
Get the work done	Recognises and responds to routine problems

Unit Mapping Information

Code and title	Code and title	Comments	Equivalence status
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current version	previous version		
FWPCOT2245 Operate and maintain a table saw	FWPCOT2208 Resaw boards and timber	Reworded application statement for clarity; revised performance criteria; changed unit code and title for consistency and compliance	Equivalent unit

Links

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