



Australian Government

FWPCOT3274 Cut timber products using high-speed optimiser

Release: 1

FWPCOT3274 Cut timber products using high-speed optimiser

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 prepare and cut timber products to differing lengths and angles using computer numerical control (CNC) optimising docking and trimming saws.

The unit applies to individuals who cut timber products using a high-speed optimiser in a timber processing or timber product manufacturing plant.

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 cutting timber product	1.1 Review work order to determine job requirements 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 cutting timber products using a high-speed optimiser 1.4 Identify workplace environmental protection procedures for minimising and disposing of waste material, cleaning tools and equipment, and maximising energy efficiency 1.5 Obtain type and quantity of timber product to be cut from a storage location 1.6 Identify required cutting patterns and saw set-up sequences
2. Operate CNC optimising saws	2.1 Perform pre-operational checks according to manufacturer and workplace procedures 2.2 Select and set computer software program to job specifications and check machine cycle 2.3 Complete trial run to verify system operation and check timber product for length and angle specification within the set tolerance 2.4 Use machine according to workplace safety procedures, manufacturer instructions and environmental protection practices 2.5 Load timber product into the machine and operate to minimise waste and ensure correct lengths and angles are produced 2.6 Monitor the process regularly to ensure continuity of material flow, and quality and quantity of production output 2.7 Redirect incorrect cuts, off-cuts and timber product with defects for reuse, recycling or disposal according to workplace procedures and environmental protection practices 2.8 Identify routine processing problems, and resolve or report to appropriate personnel
3. Perform operator maintenance	3.1 Lock out machine and equipment according to workplace safety procedures 3.2 Check saw blades for bluntness or damage 3.3 Remove and replace saw blades according to manufacturer recommendations 3.4 Dispose of used blades according to environmental protection practices 3.5 Keep the work area clear of dust and debris according to workplace safety procedures 3.6 Record and report production outcomes, equipment faults and

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<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	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
Reading	Extracts essential information from operational manuals to determine safe operating procedures for equipment
Writing	Prepares routine written reports using the required format, language and structure
Oral communication	Employs active listening and questioning to clarify the content of work orders
Numeracy	- Interprets graphical information presented in electronic and print formats - Sets numerical data on computer optimising program according to length and angle specifications - Measures finished dimensions for specified length and angle and allowable tolerances
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

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
FWPCOT3274 Cut timber products using high-speed	FWPCOT3206 Cut material using high speed optimiser	Updated application statement; updated performance criteria to reflect environmental and workplace health and safety	Equivalent unit

optimiser		requirements; updated foundation skills; added performance evidence to map to performance criteria; updated unit title and code to reflect changes	
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Links

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