



Australian Government

FWPCOT3206 Cut material using high speed optimiser

Release: 1

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Modification History

Release	Comment
1	Replaces equivalent unit FPICOT3206B Cut material using high speed optimiser, which was first released with FPI11 Forest and Forest Products Training Package Version 2.2. This is the first release of this unit in the new standards format.

Application

This unit of competency describes the outcomes required to prepare and cut material to differing lengths and angles using computer programmable optimising saws. It requires the ability to select and load computer programs and cutting sequences, assess problems and determine appropriate responses. Work is completed in a forest products factory setting.

The unit applies to Machine Operator, Sawmill Worker, Engineered Timber Products Technician, Production Technician.

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

Pre-requisite Unit

Nil

Unit Sector

Common Technical

Elements and Performance Criteria

<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element. Where bold italicised text is used, further information is detailed in the range of conditions.</i>
1. Prepare for cutting	1.1 Review work order and where required check with appropriate personnel. 1.2 Select appropriate personal protective equipment and check for operational effectiveness. 1.3 Obtain type and quantity of material to be cut from storage

	location. 1.4 Identify required cutting patterns and saw setup sequences. 1.5 Check cutting equipment, make adjustments and start in line with manufacturer recommendations.
2. Operate programmed machinery	2.1 Select and set computer program to job specifications and check machine cycle. 2.2 Complete trial run to check system operation and check board for length and angle specification within set tolerance. 2.3 Use equipment in line with organisational safety procedures, manufacturer's instructions and environmental protection practices. 2.4 Load materials into machine, operate saw and monitor use regularly to minimise waste and ensure correct lengths and angles are produced. 2.5 Monitor processing regularly to ensure continuity of material flow, and quality and quantity of production output. 2.6 Dispose of incorrect cuts, off-cuts and material with defects in line with environmental protection practices. 2.7 Identify routine processing problems and resolve or report to appropriate personnel.
3. Monitor and adjust processing	3.1 Follow organisational safety procedures to lock out equipment. 3.2 Check saw blades for bluntness or damage. 3.3 Remove and replace saw blades in line with manufacturer's recommendations. 3.4 Dispose of used blades in line with environmental protection practices. 3.5 Keep work area clear of dust and debris in line with organisational safety procedures. 3.6 Record and report production outcomes, equipment faults and maintenance requirements to appropriate personnel.

Foundation Skills

This section describes those core and employment skills that are essential to performance and are not explicit in the performance criteria.

Numeracy skills to:

- identify quantities of required material within work orders and count numbers to be cut

	• set numerical data on computer optimising program according to length and angle specifications • measure finished dimensions for specified length and angle and allowable tolerances.
Oral communication skills to:	• ask open and closed probe questions and actively listen to clarify contents of work orders.
Reading skills to:	• interpret detailed familiar and unfamiliar: • workplace health and safety and other organisational procedures • work orders • manufacturers' instructions and maintenance recommendations.
Writing skills to:	• complete accurate basic records for production outcomes, equipment faults and maintenance requirements.
Planning and organising skills to:	• efficiently and logically sequence the stages of preparation and production using work order to guide activities.

Range of Conditions

Not Applicable

Unit Mapping Information

FPICOT3206B Cut material using high speed optimiser

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.education.gov.au/Pages/TrainingDocs.aspx?q=0d96fe23-5747-4c01-9d6f-3509ff8d3d47>