



Australian Government

FWPCOT3206 Cut material using high speed optimiser

Release: 1

FWPCOT3206 Cut material using high speed optimiser

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
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	• 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.gov.au/Pages/TrainingDocs.aspx?q=0d96fe23-5747-4c01-9d6f-3509ff8d3d47>

Assessment Requirements for FWPCOT3206 Cut material using high speed optimiser

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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. Assessment requirements now specify the performance and knowledge evidence, as well as assessment conditions for this unit of competency. These sections simplify and replace components used in the previous unit format, including Required Skills and Knowledge, Evidence Guide and Range Statement

Performance Evidence

A person demonstrating competency in this unit must satisfy all of the elements, performance criteria and foundation skills of this unit. If a specific volume or frequency is not stated below, then evidence must be provided that the following requirements have been performed on at least one occasion:

- follow organisational policies and procedures relevant to cutting material using high speed optimisers
- prepare optimizing machinery for cutting, including selecting and loading programs
- operate programmed machinery, including maintaining equipment and cutters, and assessing and resolving problems

Knowledge Evidence

A person competent in this unit must be able to demonstrate knowledge of:

- purpose, features and operation of computer-controlled docking optimising and trimming saws
- range of cutting patterns used with computer-controlled optimising saws to achieve maximum output of timber materials
- range of industry standard lengths, cross sections and tolerances and applicable terminology
- system functions and capabilities of computer optimising software for saws
- methods for assessing saw blade condition
- organisational policies procedures specific to cutting material using high speed optimisers:

- workplace health and safety with particular emphasis on equipment lock out and use of personal protective equipment
- communication reporting lines
- recording and reporting production outcomes, equipment faults and maintenance requirements.
- environmental protection practices for forest products factory settings:
 - reducing water and energy use
 - cleaning plant, tools and equipment
 - disposing of, recycling and reusing timber and other waste

Assessment Conditions

The following resources must be made available:

- computer-controlled docking optimising and trimming saws
- computer program for optimising saws
- maintenance tools and equipment for optimising saws
- consumable saw blades
- personal protective equipment suitable for cutting material using high speed optimisers
- a diverse range of commercial timber:
 - laminated veneer
 - plywood
 - chipboard
 - medium density fibreboard
 - dressed timber
 - preservative treated timber
- manufacturers' instructions for use and maintenance of equipment
- work order with specific instructions for cutting material using high speed optimisers
- template documents for recording production outcomes, equipment faults and maintenance requirements
- organisational policies and procedures for cutting material using high speed optimisers.

Competency is to be assessed in the workplace or a simulated environment that accurately reflects performance in a real workplace setting.

Assessor requirements

Assessors must:

- hold the appropriate assessor competency standards as outlined in regulations; and
- be able to demonstrate vocational competencies at least to the level being assessed; and
- be able to demonstrate how they are continuing to develop their VET knowledge and skills as well as maintaining their industry currency and assessor competence.

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