



Australian Government

FWPCOT2218 Cross cut materials with a fixed saw

Release: 1

FWPCOT2218 Cross cut materials with a fixed saw

Modification History

Release	Comment
1	Replaces equivalent unit FPICOT2218B Cross cut materials with a fixed saw, 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 position and saw materials with a circular saw or fixed chainsaw. The unit includes equipment maintenance.

The unit applies to those who cross cut materials with a fixed saw in a forest products factory setting.

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

Pre-requisite Unit

Nil

Unit Sector

Sawmilling and Processing

Timber Manufactured Products

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. Where bold italicised text is used, further information is detailed in the range of conditions.</i>
1. Prepare for operation	1.1 Review work order and clarify with appropriate personnel. 1.2 Select equipment appropriate to work requirements and check for operational effectiveness. 1.3 Prepare, check and clear work area, ready for operations.

ELEMENTS	PERFORMANCE CRITERIA
	1.4 Carry out pre-start checks on fixed saw in line with site requirements. 1.5 Establish and maintain communication with others in work area to ensure safety.
2. Cross cut material	2.1 Visually assess material to be cut for defects that may present unsafe work conditions and review cut. 2.2 Cut material within site standard tolerances for length and angle relative to centre line. 2.3 Use cutting techniques to industry standard lengths, maximising volume and quality of recovery material. 2.4 Operate fixed saw effectively, in line with manufacturer's recommendations. 2.5 Regularly check and clear work area in line with WHS requirements and site procedures. 2.6 Dispose of sub-standard material in line with site procedures and environmental requirements 2.7 Identify and report problems in line with site procedures
3. Maintain saw	3.1 Lock-out, clean and maintain fixed saw in line with manufacturer's recommendations and site procedures. 3.2 Identify blunt or damaged saws and replace or sharpen, in line with site procedures and manufacturer's recommendations. 3.3 Record and report fixed operations and maintenance 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.

Problem solving skills to:	identify defects in materials and problems with equipment, and rectify.
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Range of Conditions

Not Applicable

Unit Mapping Information

FPICOT2218B Cross cut materials with a fixed saw

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 FWPCOT2218 Cross cut materials with a fixed saw

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Release	Comment
1	Replaces equivalent unit FPICOT2218B Cross cut materials with a fixed saw, 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:

- safely and efficiently use a fixed saw to cross cut materials to the full range of timber, timber sizes and species
- follow organisational policies and procedures relevant to operating a fixed saw
- use appropriate methods to cross cut either of the following materials with a fixed saw
 - individual pieces of timber
 - packs of timber
- carry out start-up and lock out procedures for a fixed saw
- correctly positioning and securing materials onto carriage or conveyor for cross cutting
- identify defects and problems with fixed saw operations
- identify blunt or damaged saws
- effectively maximise volume and quality recovery
- communicate effectively with others at the work site
- carry out routine maintenance on a fixed saw.

Knowledge Evidence

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

- workplace requirements and standards for operating a fixed circular saw or fixed chainsaw

- environmental protection requirements and safe disposal of waste material
- operational procedures and checks including start-up and shut-down procedures
- cutting techniques including the following aspects:
 - cutting positions
 - work order requirements
 - industry standard lengths
 - straightness requirements
 - cutting patterns
 - maximising volume and quality of recovery requirements
 - cutting procedures that minimise capping and splitting of material
 - placing material on conveyor or carriage
 - securing material
 - cutting at optimum feed rate to avoid damage to saw blade
- aspects relating to clearing when cross cutting materials including
 - using hand tools and a water jet to clear debris from the surface of material
 - clearing the work area of off –cuts
 - debris
 - ensuring saw clearance around material
 - depositing off-cuts and debris in recognised areas
 - clearing surfaces of debris likely to cause saw damage in the cutting area
- equipment processes, technical capability and limitations of a fixed saw
- industry standard length dimensions
- common industry terminology
- established communication channels and protocols to maintain safety
- processes for managing risks and hazards associated with fixed saw operations including lock –out procedures
- knowledge of defects in timber that can effect processing and cause risk
- workplace health and safety requirements and emergency evacuation procedures
- procedures for recording and reporting workplace records and information.

Assessment Conditions

The following resources must be made available:

- a fixed circular saw or fixed chainsaw
- material to be processed
- work order, workplace requirements and site standards for cross cutting materials with a fixed saw
- relevant personnel for the purposes of communicating information.

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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