



Australian Government

FWPTMM2201 Cut material to length and angles

Release: 1

FWPTMM2201 Cut material to length and angles

Modification History

Release	Comment
1	Replaces equivalent unit FPITMM2201B Cut material to length and angles, 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 length, angle with a power driven saw and complete non-specialist saw maintenance. Work is completed in a forest and wood products factory setting.

The unit applies to Customer Service Officer, Machine Operator, Timber Products Worker, Manufacturing Assistant.

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

Pre-requisite Unit

Nil

Unit Sector

Timber Manufactured Products

Timber Merchandising

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 Obtain type and quantity of material to be cut from storage location. 1.3 Select appropriate equipment and check for operational

	effectiveness in line with manufacturer's recommendations. 1.4 Interpret cutting list in line with work order and organisational procedures. 1.5 Plan material cutting patterns and saw set-up sequences in line with work order.
2. Cut material to length and angle	2.1 Mark up material and set stops set in preparation for cutting. 2.2 Use equipment and machinery in line with organisational procedures, manufacturer's instructions and environmental protection practices. 2.3 Follow cutting sequence and patterns to produce required quantity. 2.4 Check cuts for length and angle within a set tolerance. 2.5 Dispose of incorrect cuts, off-cuts and material with defects in line with environmental protection practices. 2.6 Stack material safely in designated location in line with work order requirements. 2.7 Report processing and equipment faults to appropriate personnel.
3. Complete operator maintenance	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 organisational procedures and environmental protection practices. 3.5 Keep saw area clear of dust, off-cuts and debris in line with organisational safety procedures.

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 plans and count raw materials - complete basic calculations of required length and angle to determine saw set up.
Oral communication skills to:	- ask questions and actively listen to clarify contents of work orders - make accurate verbal reports on processing and equipment faults.

Reading skills to:	• interpret: • WHS and other organisational procedures • work orders • manufacturers' instructions and maintenance recommendations.
Planning and organising skills to:	• efficiently and logically sequence the stages of preparation and production using work order to guide activities.
Problem-solving skills to:	• recognise faulty equipment and resolve by reporting or rectifying.
Technology skills to:	• select, use and maintain appropriate machinery, tools and personal protective equipment used for cutting activities.

Range of Conditions

Not Applicable

Unit Mapping Information

FPITMM2201B Cut material to length and angles

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 FWPTMM2201 Cut material to length and angles

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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 to length and angle
- effectively communicate and follow safe work practices
- cut material to length and angle in line with a work order and within prescribed organisational tolerances
- conduct maintenance on a docking saw
- stack batches of cut material in line with organisational requirements and OHS regulations.

Knowledge Evidence

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

- storage layout and categories for:
 - raw materials
 - stacking finished materials
- characteristics of timber and timber defects:
- cutting patterns and sequences for single and compound angles
- industry standard cross-sections and lengths

- types of cutting tools and equipment; their purpose, features, operation and basic non-specialist repair and maintenance:
 - measuring equipment
 - manually controlled docking and trimming saws
 - bench saws
 - radial arm saws
 - saws with adjustable angle
 - saws with automatic feed
 - saws with one blade
 - table saws
- methods for assessing saw blade condition
- organisational policies and procedures specific to cutting activities:
 - workplace health and safety with particular emphasis on equipment lock out
 - use and maintenance of equipment
 - communication reporting lines
 - recording and reporting cutting process and equipment faults
- environmental protection practices for forest products factory settings:
 - reducing water and energy use
 - cleaning of plant, tools and equipment
 - disposing of, recycling and reusing timber and other waste

Assessment Conditions

The following resources must be made available:

- cutting tools and equipment:
 - measuring equipment
 - manually controlled docking and trimming saws
 - bench saws
 - radial arm saws
 - saws with adjustable angle
 - saws with automatic feed
 - saws with one blade
 - table saws
- maintenance tools and equipment for saws
- consumable components; saw blades
- personal protective equipment suitable for cutting activities
- a diverse, comprehensive and commercial product range of timber
- manufacturers' instructions for use and maintenance of equipment
- work order for cutting activities with specific instructions for the cutting and storage of timber and timber products
- relevant personnel for the purposes of communicating information

- template reports for recording processing and equipment faults
- organisational policies and procedures for cutting activities

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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