



Australian Government

FWPTMM2205 Cut material to length and angles

Release: 1

FWPTMM2205 Cut material to length and angles

Modification History

Release	Comments
Release 1	This version released with FWP Forest and Wood Products Training Package Version 6.0.

Application

This unit of competency describes the skills and knowledge required to prepare and cut material to length and angle with a power driven saw. It includes non-specialist saw maintenance on completion of operation.

The unit applies to machine operators, timber product workers and manufacturing assistants who undertake specified activities under the direction of more experienced workers.

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

Pre-requisite Unit

Nil

Unit Sector

Timber Manufactured Products (TMM)

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	1.1 Determine information for cutting materials to length and angles from work order and confirm with appropriate person 1.2 Determine type and quantity of material to be cut 1.3 Plan material cutting patterns and saw set-up sequences according to work order and cutting list 1.4 Confirm safety requirements for cutting materials according to workplace safety procedures

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	1.5 Select, fit and use appropriate personal protective equipment (PPE) 1.6 Select appropriate equipment and carry out a pre-start check according to manufacturer instructions
2. Cut material to length and angle	2.1 Mark up material and set stops in preparation for cutting 2.2 Select and set up appropriate saw for cutting materials 2.3 Operate machinery according to manufacturer instructions and workplace safety requirements 2.4 Produce required quantity of material according to cutting sequence and patterns 2.5 Check cuts for length and angle within allowable tolerance 2.6 Dispose of incorrect cuts, off-cuts and material with defects according to workplace safety and environmental requirements 2.7 Stack material safely according to work order in designated location 2.8 Check product quality and quantity and record against work order 2.9 Report processing faults to appropriate person
3. Complete operator maintenance	3.1 Follow workplace safety procedures to lock-out equipment 3.2 Check saw blades for bluntness or damage 3.3 Remove and replace saw blades according to manufacturer instructions 3.4 Dispose of used blades according to workplace safety and environmental requirements 3.5 Clean and maintain saw and equipment, and check for and report faults or damage 3.6 Clean work area and dispose of sawdust, off-cuts and debris according to workplace safety and environmental requirements 3.7 Report equipment faults or damage to appropriate person

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
Writing	Enter routine production information into report documentation/forms, legibly and using industry terminology
Oral communication	- Ask questions and actively listen to clarify contents of work orders - Make accurate verbal reports on processing and equipment faults

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
FWPTMM2205 Cut material to length and angles	FWPTMM2201 Cut material to length and angles	Application clarified Performance Criteria, Foundation Skills and Assessment Requirements updated	Equivalent

Links

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

Assessment Requirements for FWPTMM2205 Cut material to length and angles

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Performance Evidence

An individual demonstrating competency must satisfy all of the elements and performance criteria in this unit.

There must be evidence that the individual has:

- cut a minimum of 25 different lengths of timber material, which include:
 - different timber grades, species and sectional sizes
 - various lengths and sectional sizes of hardwood and softwood engineered wood products (EWP)
 - at least five varying angles
- cut a minimum of five different timber board products into lengths

In performing this work, there must be evidence that the individual has:

- used and maintained a semi-automated saw
- stacked cut timber products into specified stacks.

Knowledge Evidence

An individual must be able to demonstrate the knowledge required to perform the tasks outlined in the elements and performance criteria of this unit. This includes knowledge of:

- workplace policies and procedures relating to cutting activities
- workplace and environmental requirements for safe disposal of waste
- characteristics, properties and limitations and defects of timber products:
 - hardwood
 - softwood
 - EWP
- processes and techniques of:
 - cutting patterns and sequences for single and compound angles
 - assessing saw blade condition
 - using and maintaining machinery and equipment

- stacking finished materials
- recording and reporting cutting process incidents and equipment faults
- cleaning of plant, tools and equipment
- disposing of, recycling and reusing timber and other waste
- industry standard cross-sections and lengths
- functional and operational features of tools, equipment and machinery:
 - semi-automated saws
 - bench saws
 - radial arm saws
 - saws with adjustable angle
 - saws with automatic feed
 - saws with one blade
 - table saws
- workplace safety requirements relevant to cutting materials:
 - personal protective equipment (PPE)
 - electrical hazards – use of residual current devices (RCD)
 - hazardous manual tasks
 - equipment lock-out
 - exposure to dust
 - exposure to excessive noise.

Assessment Conditions

Assessment of the skills in this unit of competency must take place under the following conditions:

- physical conditions:
 - skills must be demonstrated in a timber manufacturing workplace or an environment that accurately represents workplace conditions
- resources, equipment and materials:
 - appropriate machinery and equipment to cut timber products to length and angles
 - materials to cut to length and angles
- specifications:
 - access to work orders, safe work practices and environmental requirements to cut materials to length
 - access to policies and procedures and manufacturer instructions applicable to cutting materials to length

Assessors of this unit must satisfy the requirements for assessors in applicable vocational education and training legislation, frameworks and/or standards.

Links

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