

Modification history

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

FWPTMM2XXX	Cut material to length and angles
Application	<p>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. Work is completed in a forest and wood products factory setting.</p> <p>The unit applies to machine operators, timber product workers and manufacturing assistants.</p> <p>This unit is suitable for those with the knowledge and skills to undertake specified activities under the direction of more experienced workers.</p> <p>No licensing, legislative or certification requirements apply to this unit at the time of publication.</p>
Prerequisite Unit	Nil
Unit Sector	Timber Manufactured Products (TMM)

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 Read and interpret work order to identify information for cutting materials to length and angles and where required check with appropriate person 1.2 Determine type and quantity of material to be cut from work order 1.3 Plan material cutting patterns and saw set-up sequences in line with work order and cutting list 1.4 Select, fit and use appropriate personal protective equipment (PPE) 1.5 Select appropriate equipment and carry out a pre-start check in line with manufacturer's 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 following manufacturer's instructions and workplace safety 2.3 Produce required quantity of material following cutting sequence and patterns 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 workplace safety and environmental requirements 2.6 Stack material safely in line with work order in designated location 2.7 Check product quality and quantity and record against work order 2.8 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 in line with manufacturer's instructions 3.4 Dispose of used blades in line with workplace safety and environmental requirements 3.5 Clean and maintain saw and equipment, check for and report faults or damage 3.6 Clean work area, dispose of saw dust, off-cuts and debris in line with workplace safety and environmental requirements 3.7 Report equipment faults or damage to appropriate person

Foundation Skills	
<i>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.</i>	
Skill	Description
Writing	<ul style="list-style-type: none"> • Enter routine production information into report documentation/forms • Legibly enter comments into reports using correct terminology
Oral communication	<ul style="list-style-type: none"> • 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
FWPTMM2XXX Cut material to length and angles	FWPTMM2201 Cut material to length and angles	Application clarified Performance Criteria, Foundation Skills and Assessment Requirements updated	Equivalent unit

Links	Companion Volumes, including Implementation Guides, are available at VETNet: https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=0d96fe23-5747-4c01-9d6f-3509ff8d3d47
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TITLE	Assessment requirements for FWPTMM2XXX Cut material to length and angles
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Performance Evidence

An individual demonstrating competency in this unit 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 in total which include:
 - various size sections of hardwood and softwood timber
 - at least five varying angles
- cut a minimum of five different timber board products into lengths
- used and maintained a semi-automated saw
- stacked cut timber products into specified batches.

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:

- organisational policies and procedures relating to cutting activities
- workplace and environmental requirements for safe disposal of waste
- characteristics, properties and limitations of timber products:
 - timber defects
- 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 and environmental requirements for waste disposal
- workplace safety:
 - 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

Assessment Conditions	
<ul style="list-style-type: none">• specifications:<ul style="list-style-type: none">• specific workplace documents such as policies, procedures, processes, work instructions and forms• manufacturer's operating instructions for specific equipment, machinery• organisational codes of practice and guidelines relevant to cutting materials to length and angles• safe work practices and environmental requirements, including the safe disposal of waste material <p>Assessors of this unit must satisfy the requirements for assessors in applicable vocational education and training legislation, frameworks and/or standards.</p>	
Links	Companion Volumes, including Implementation Guides, are available at VETNet: https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=0d96fe23-5747-4c01-9d6f-3509ff8d3d47