

Modification history

Release	Comments
Release 1	This version released with FWP Forest and Wood Products Training Package Version 8.0.

FWPCOT2XXX	Cut timber or engineered wood product to length or dimensions
Application	<p>This unit of competency describes the skills and knowledge required to prepare and cut timber or engineered wood product to length or dimensions with a power driven saw, which may include a mechanical feed. The unit includes equipment maintenance on completion of operation.</p> <p>The unit applies to individuals who cut timber or engineered wood products to length or dimensions with a power driven saw in a wood products work environment.</p> <p>No licensing, legislative or certification requirements apply to this unit at the time of publication.</p>
Prerequisite Unit	Nil
Unit Sector	Common Technical (COT)

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 timber or engineered wood product	1.1 Determine job requirements and cutting list from work order or instruction and, where required, confirm with appropriate person 1.2 Confirm safety requirements for cutting task according to workplace safety procedures 1.3 Identify type and quantity of product to be cut and obtain product from storage 1.4 Plan product cutting patterns according to cutting list 1.5 Select, fit and use personal protective equipment 1.6 Select appropriate cutting equipment and check for operational effectiveness according to manufacturer instructions 1.7 Set up saw sequences according to work order and cutting list
2. Cut timber or engineered wood product to length or dimensions	2.1 Use equipment according to workplace safety procedures, manufacturer instructions and environmental protection practices 2.2 Mark up product and set stops for cutting 2.3 Follow cutting sequence to produce required quantity 2.4 Check cuts for length and/or angle within set tolerance 2.5 Dispose of incorrect cuts, off-cuts and sub-standard products according to environmental protection practices 2.6 Monitor mechanical feed systems, if fitted 2.7 Stack product in designated location safely according to work order 2.8 Identify routine processing problems and resolve or report to appropriate personnel
3. Complete operator maintenance	3.1 Lock out equipment according to workplace safety procedures 3.2 Check saw blades for bluntness or damage 3.3 Remove and replace saw blades according to manufacturer recommendations 3.4 Dispose of used blades according to environmental protection practices 3.5 Complete basic non-specialist maintenance of equipment 3.6 Keep machine clear of dust and debris according to workplace safety procedures 3.7 Record and report equipment faults and maintenance requirements to appropriate personnel

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
Reading	<ul style="list-style-type: none"> Interpret routine workplace documents relevant to cutting timber or engineered wood products to required lengths or dimensions using a power driven saw
Oral communication	<ul style="list-style-type: none"> Ask questions and actively listen to clarify work orders and job tasks and report workplace issues
Numeracy	<ul style="list-style-type: none"> Measure timber or engineered wood products in cutting operations

Unit Mapping Information			
Code and title current version	Code and title previous version	Comments	Equivalence status
FWPCOT2XXX Cut timber or engineered wood product to length or dimensions	FWPCOT2234 Dock material to length	Redesigned unit that includes content from FWPCOT2234, FWPSAW2204 and FWPWPP2213 Cut panels.	Not equivalent
FWPCOT2XXX Cut timber or engineered wood product to length or dimensions	FWPSAW2204 Dock boards with mechanical feed	Redesigned unit that includes content from FWPCOT2234, FWPSAW2204 and FWPWPP2213 Cut panels.	Not equivalent
FWPCOT2XXX Cut timber or engineered wood product to length or dimensions	FWPWPP2213 Cut panels	Redesigned unit that includes content from FWPCOT2234, FWPSAW2204 and FWPWPP2213 Cut panels.	Not equivalent

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 FWPCOT2XXX Cut timber or engineered wood product to length or dimensions
Performance Evidence	
<p>An individual demonstrating competency must satisfy all of the elements and performance criteria in this unit.</p> <p>There must be evidence that the individual has cut to length or dimensions three standard packs from one of the following product types for three different work orders:</p> <ul style="list-style-type: none"> • timber varying in lengths and sectional sizes • engineered wood product. <p>In performing this task, the individual has used one of the following items of equipment:</p> <ul style="list-style-type: none"> • manually controlled docking and trimming saw • bench saw • radial arm saw • saw with adjustable angles • saw with mechanical feed • saw with one blade • table saw • saw with automatic feed • other workplace equipment for cutting timber or engineered wood products to length or dimensions. <p>Also, in performing this task, the individual has:</p> <ul style="list-style-type: none"> • followed workplace procedures for cutting operation • selected, fitted and used personal protective equipment (PPE) • cut products to length or dimensions according to prescribed workplace tolerance • stacked cut product in designated storage location according to common length and width • completed operator maintenance on the saw used. 	
Knowledge Evidence	
<p>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:</p> <ul style="list-style-type: none"> • workplace policies and procedures relevant to cutting timber or engineered wood product using a power driven saw • processes, procedures and techniques for cutting timber or engineered wood product to length or dimensions: <ul style="list-style-type: none"> • optimal cutting practices to minimise waste • use and maintenance of docking equipment • stacking finished products • assessing saw blade condition • cleaning plant, tools and equipment • recording and reporting equipment faults and maintenance requirements • cutting patterns and sequences for single angles requiring one cutting pass or single vertical cuts • industry standard lengths, cross sections, appearance grades, characteristics, properties, defects and limitations of timber or engineered wood product to be cut • workplace safety requirements related to cutting timber or engineered wood product to length or dimensions: <ul style="list-style-type: none"> • hierarchy of control • PPE • electrical hazards and use of residual current devices (RCD) • equipment lock-out • exposure to dust • exposure to excessive noise • hazardous manual tasks • functional and operational features of tools and equipment used in workplace for cutting timber or engineered wood product to length or dimensions • methods for staking finished timber or engineered wood product products safely 	

Knowledge Evidence	
<ul style="list-style-type: none"> • methods for assessing saw blade condition • workplace and environmental requirements for waste disposal. 	
Assessment Conditions	
<p>Assessment of the skills in this unit of competency must take place under the following conditions:</p> <ul style="list-style-type: none"> • physical conditions: <ul style="list-style-type: none"> • skills must be demonstrated in a manufacturing or processing facility or timber yard or an environment that accurately represents workplace conditions • resources, equipment and materials: <ul style="list-style-type: none"> • saw to cut timber or engineered wood products to length or dimensions • PPE suitable to the work activity • tools and materials required for saw maintenance • different types of timber or engineered wood products varying in lengths and sectional size • specifications: <ul style="list-style-type: none"> • work orders with specific instructions for cutting timber or engineered wood product • workplace safety and environmental procedures applicable to timber or engineered wood product cutting operations. <p>Assessors of this unit must satisfy the requirements for assessors in applicable vocational education and training legislation, frameworks and/or standards.</p>	
Links	<p>Companion Volumes, including Implementation Guides, are available at VETNet: https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=0d96fe23-5747-4c01-9d6f-3509ff8d3d47</p>

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