

Modification history

Release	Comments
Release 2	This version released with FWP Forest and Wood Products Training Package Version [4.0] Version created to update workplace health and safety requirements in performance criteria and clarify intent of unit and assessment requirements.
Release 1	This version replaces equivalent unit FPICOT3244B Cut material to profile, 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.

UNIT CODE	FWPCOT3244 Cut material to profile
Application	<p>This unit of competency describes the skills and knowledge required to <u>use shaping equipment for cutting timber material and engineered wood products to a profile with shaping equipment to produce moulded timber products in a timber or wood products factory <u>manufacturing facility</u>. Work also involves operator maintenance.</u></p> <p>The unit applies to individuals who work as benchman, machine operators, timber products technicians, production technicians, press operators. <u>Operators generally work under broad or limited direction to complete routine activities related to own work and take responsibility for their work.</u></p> <p><u>All work must be carried out to comply with workplace procedures, according to state/territory health and safety regulations, legislation and standards that apply to the workplace.</u></p> <p>No licensing, legislative, regulatory, or certification requirements apply to this unit at the time of publication.</p>
Prerequisite Unit	Nil
Unit Sector	Common Technical

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 profiling <u>timber or engineered wood products</u>	<p>1.1 Review work order and <u>specifications and</u> where required check with appropriate personnel</p> <p><u>1.2 Follow workplace health and safety requirements, environmental protection practices and emergency procedures and use personal protective equipment (PPE) in line with operational requirements throughout operation</u></p> <p><u>1.3 Identify and report hazards, accidents, incidents and/or near misses in line with operational requirements and health and safety legislative requirements to maintain safe work practices</u></p> <p>1.2 Select appropriate personal protective and other equipment and check for operational effectiveness</p> <p>1.4 Obtain type and quantity of material for profiling from storage location-</p> <p>1.4<u>5</u> Identify profile to be cut and select cutting blades</p>

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
2. Set up profiling equipment	2.1 Use equipment in line with organisational safety procedures, manufacturer's instructions and environmental protection practices 2.2 Follow lock-out procedures, select and attach machine guides and install cutting blades 2.3 Set depth of cut or profile in line with required shape and to minimise waste 2.4 Stack material in close proximity to maximise ease of machine feeding 2.5 Test equipment set-up for correct profile alignment through trial run and adjust as required
3. Cut <u>timber or engineered wood product material</u> to profile	3.1 Feed <u>timber or engineered wood product material</u> into machine at feed rate prescribed by organisational requirements 3.2 Follow, maintain and adjust cutting sequence to produce required quantity and maximise feed rate 3.3 Check profiling process regularly and adjust to maintain desired depth and profile 3.4 Dispose of incorrect cuts, off cuts and defective material in line with environmental protection practices 3.5 Stack material safely in designated location in line with work order
4. Complete operator maintenance	4.1 <u>Lock out equipment in line with Follow organisational workplace health and safety procedures to lock-out equipment</u> 4.2 Check cutting blades for bluntness or damage 4.3 Remove and replace cutting blades in line with manufacturer recommendations 4.4 Keep machine area clear of dust and debris in line with <u>organisational workplace health and safety procedures</u> 4.5 Record and report production outcomes, 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
Numeracy	<ul style="list-style-type: none"> identify quantities of required material within work orders and count numbers of panels to be profiled complete basic calculations of required depth of cut or profile to determine equipment set up measure finished dimensions against specifications and allowable tolerances
Oral communication	<ul style="list-style-type: none"> ask open and closed probe questions and actively listen to clarify contents of work orders.
Reading	<ul style="list-style-type: none"> interpret: <ul style="list-style-type: none"> workplace health and safety and other organisational procedures work orders manufacturers' instructions and maintenance recommendations
Writing	<ul style="list-style-type: none"> complete accurate basic records for production outcomes, equipment faults and maintenance requirements
Plan and organise	<ul style="list-style-type: none"> efficiently and logically sequence the stages of preparation and production using work order to guide activities

Unit Mapping Information			
Code and title current version	Code and title previous version	Comments	Equivalence status
FWPCOT3244 Cut material to profile	FWPCOT3244 Cut material to profile	Updated workplace health and safety requirements in performance criteria and clarified intent of unit and assessment requirements	Equivalent unit

Links	Companion Volumes, including Implementation Guides, are available at VETNet: https://vetnet.education.gov.au/Pages/TrainingDocs.aspx?q=0d96fe23-5747-4c01-9d6f-3509ff8d3d47
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TITLE	Assessment requirements for FWPCOT3244 Cut material to profile
Performance Evidence	
<p>An individual demonstrating competency must satisfy all of the elements, performance criteria and foundation skills of this unit. There must be evidence that, on at least one occasion, the individual has:</p> <ul style="list-style-type: none"> • followed organisational <u>workplace health and safety requirements and environmental protection policies and procedures relevant to</u> cutting <u>timber or engineered wood product material</u> to profile • cut <u>timber or engineered wood product material</u> to profile in line with a work order and prescribed organisational specifications • conducted operator maintenance <u>on profiling equipment</u> • stacked batches of cut <u>timber or engineered wood product material</u> in line with organisational <u>requirements and WHS workplace health and safety requirements regulations.</u> 	
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"> • <u>health and operational hazards or risks related to operating a shaping equipment for producing moulded timber products as identified through risk assessments, manufacturer technical information, regulations and industry health and safety guides</u> • organisational procedures specific to cutting <u>timber and engineered wood product</u> to profile: <ul style="list-style-type: none"> • <u>workplace health and safety with particular emphasis on equipment lock out and use of personal protective equipment</u> • <u>use of equipment</u> • communication reporting lines • recording and reporting production outcomes, equipment faults and maintenance requirements • environmental protection practices for <u>timber manufacturing facilities forest products factory settings:</u> <ul style="list-style-type: none"> • cleaning plant, tools and equipment • disposing of, recycling and reusing timber and other waste • reducing water and energy use • characteristics of timber and timber features • storage systems and labelling procedures including <ul style="list-style-type: none"> • storage racks • storage bays • bins • stacks • pallet boxes • modularised storage components • temporary stacking bays • storage layout and categories for: <ul style="list-style-type: none"> • raw materials • stacking finished <u>panel timber products</u> • typical timber defects and how they affect ability to produce quality profiled product: <ul style="list-style-type: none"> • warp • wane • cupping • shakes • insect defects • knots • resin pockets • range of common profiles and applicable terminology including: <ul style="list-style-type: none"> • quad • beading • mouldings • shaped beams • architraves • skirting boards 	

Knowledge Evidence	
	<ul style="list-style-type: none"> • scotia • common cutting patterns used to achieve common profiles • range of feed rates and how they affect production output and finished quality of material • purpose, features and operation of equipment used to cut timber or engineered wood product materials to profile: <ul style="list-style-type: none"> • measuring equipment • multi-head planing machines (four siders) • spindle moulders • routing machines • shaping machines • machine guides • methods for assessing cutting blade condition.

Assessment Conditions	
	<p>Assessment of skills 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 an environment that accurately represents workplace conditions • resources, equipment and materials: <ul style="list-style-type: none"> • measuring equipment • profiling equipment including one or more of the following: <ul style="list-style-type: none"> • multi-head planing machines (four siders) • spindle moulders • routing machines • shaping machines • machine guides • maintenance tools and equipment for removing and replacing cutting blades • consumable profile cutting blades in various shapes and sizes • personal protective equipment suitable for cutting material to profile • suitable material including one or more of the following commercial timber: <ul style="list-style-type: none"> • dressed timber • in-the-rough timber • stress and non-stress graded timber • preservative treated timber • medium density fibreboard • laminated veneer • chipboard • fibreboard • coated and/or treated timber products • <u>beams</u>, including laminated beams • specifications: <ul style="list-style-type: none"> • manufacturer instructions for use and maintenance of equipment • <u>work order</u> with specific instructions for cutting timber or engineered wood product material to profile • <u>workplace health and safety and emergency procedures</u> • <u>environmental protection procedures</u> • organisational policies and procedures for cutting material to profile • template documents for recording production outcomes, equipment faults and maintenance requirements. <p>Assessors of this unit must satisfy the requirements for assessors in applicable vocational education and training legislation, frameworks and/or standards.</p>

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