



Australian Government

FWPCOT2208 Resaw boards and timber

Release: 1

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Modification History

Release	Comment
1	Replaces equivalent unit FPICOT2208B Resaw boards and timber, 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 plan and produce boards by resawing larger boards. Work is completed in a forest products factory setting and includes adjusting and maintaining sawing equipment.

The unit applies to Saw Operators, Sawyers, Benchmen, and Wood Machinists

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

Pre-requisite Unit

Nil

Unit Sector

Common Technical; applies across sectors

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. Where bold italicised text is used, further information is detailed in the range of conditions.</i>
1. Prepare for operation	1.1 Review work order and where required check with appropriate personnel. 1.2 Identify sizes and quantities for resawn boards and obtain material for resawing. 1.3 Select appropriate equipment and check for operational

ELEMENTS	PERFORMANCE CRITERIA
	effectiveness in line with manufacturer's recommendations. 1.4 Plan sequence of machining operations in line with work order and to suit multiple cuts.
2. Produce Boards	2.1 Follow lock out procedures and adjust saws, carriage, speeds and feeds to suit types of boards and timber, dimensions, and cutting sequence. 2.2 Use equipment in line with organisational safety procedures, manufacturer's instructions environmental protection practices. 2.3 Select and follow cutting sequence to produce required quantity. 2.4 Maintain feed rate appropriate to timber condition and board size. 2.5 Regularly tally resawn boards and timber against work orders. 2.6 Clear work area regularly in line with in line with organisational safety procedures. 2.7 Identify damaged sawn material and dispose of or recycle in line with environmental protection practices.
3. Assess conditions and maintain optimum sawing processes	3.1 Assess sawing conditions regularly to determine optimal feed rate and finish. 3.2 Adjust sawing feed rate to achieve finished dimensions in line with work order. 3.3 Evaluate finish regularly and make adjustments to maximise product quality. 3.4 Regularly measure cross section dimensions of sawn boards against standard sizes and tolerances and adjust sawing process. 3.5 Identify routine processing and equipment faults and resolve or report to appropriate personnel. 3.6 Complete production and quality records and report in line with organisational procedures.

ELEMENTS	PERFORMANCE CRITERIA
4. Complete operator maintenance	4.1 Follow organisational safety procedures to lock out equipment. 4.2 Check cutters and saw blades for bluntness or damage. 4.3 Remove and replace cutters and blades in line with manufacturer's recommendations. 4.4 Dispose of used blades in line with organisational procedures and environmental protection practices. 4.5 Complete basic non-specialist maintenance for equipment. 4.6 Record and report equipment faults and maintenance requirements to appropriate personnel.

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 orders and count raw materials - interpret order sizes and set up equipment to achieve correct dimensions - calculate the feed rate to optimise quality and quantity of production output - accurately measure cross section dimensions of sawn boards against standard sizes and tolerances - complete routine production records involving dimensions and quantities tallied against orders.
Oral communication skills to:	- ask open and closed probe questions and actively listen to clarify contents of work orders - make accurate verbal reports on processing and equipment faults.
Reading skills to:	- interpret: - workplace health and safety and other organisational procedures - work orders - manufacturers' instructions and maintenance recommendations.
Writing skills to:	complete accurate basic records for production outcomes, equipment faults and maintenance requirements.

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:	- identify and dispose of damaged sawn material - recognise faulty equipment and resolve by reporting or rectifying.

Range of Conditions

Not Applicable

Unit Mapping Information

FPICOT2208B Resaw boards and timber

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 FWPCOT2208 Resaw boards and timber

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1	Replaces equivalent unit FPICOT2208B Resaw boards and timber, 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. Assessment requirements now specify the performance and knowledge evidence, as well as assessment conditions for this unit of competency. These sections simplify and replace components used in the previous unit format, including Required Skills and Knowledge, Evidence Guide and Range Statement.

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:

- complete resawing jobs, in line with an individual work order for each job, on one or more of these types of timber:
 - softwood
 - hardwood
 - treated
 - untreated
 - laminated boards
- across the above jobs, complete these processes:
 - resawing larger boards, recovering boards from one edge at each pass
 - splitting a larger board into two or more sections
- complete these types of basic non-specialist maintenance:
 - cleaning the machine of wood chips and sawdust
 - replacing blunt cutters or saw blades
 - inspecting machine parts for wear or damage, including guards
 - greasing and lubricating moving parts
 - checking the operation of emergency stop buttons and lock out systems.
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Knowledge Evidence

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

- environmental protection practices for forest products factory settings:
 - cleaning plant, tools and equipment
 - disposing of, recycling and reusing timber including:
 - recycling damaged sawn material
 - re-using damaged sawn material
 - redirecting damaged sawn material for energy recovery
- range of industry standard lengths, cross sections and tolerances and applicable terminology
- typical cutting patterns
- machines and equipment used for resawing boards and timber; their purpose, features, operation and basic non-specialist repair and maintenance:
 - simple table saws
 - complex saw and conveyor systems
 - circular or band saws
 - single or multiple saws
- methods for assessing cutters and saw blade condition
- problems that may occur during sawing operations including:
 - equipment faults and malfunctions
 - quality of product and machine settings
 - transfer and flow of material
 - routine sawing problems
 - feed rate and product finish
 - infeed and outfeed systems
 - damage to sawn board
 - damage to saw blade
 - timber positioning
- organisational procedures specific to resawing boards and timber:
 - workplace health and safety with particular emphasis on equipment lock out
 - use and maintenance of equipment
 - communication reporting lines
 - recording and reporting production outcomes and equipment faults.
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Assessment Conditions

The following resources must be made available:

- one or more of the following tools and equipment used to resaw boards and timber:
 - simple saw benches

- complex saw and conveyor systems
- circular or band saws
- single or multiple saws
- tools and equipment for operator maintenance of saws
- consumable components; cutters, saw blades
- personal protective equipment suitable for resawing boards and timber
- a diverse, comprehensive and commercial product range of board and timber
- manufacturers':
 - instructions for equipment use
 - recommendations for cleaning, repairing and maintaining
- work order with specific details of:
 - material to be resawn
 - special client requirements
 - production timelines
- template documents for recording production outcomes and equipment faults
- organisational procedures for resawing boards and timber.

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.

Links

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