



Australian Government

FWPSAW3253 Re-saw green timber

Release: 1

FWPSAW3253 Re-saw green timber

Modification History

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

Application

This unit of competency describes the skills and knowledge required to re-saw green timber, including flitches, cants and rough sawn timber, using sawing machinery to maximise the amount of product and usability.

The unit applies to individuals who saw green boards in a timber processing plant.

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.

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

Pre-requisite Unit

Nil

Unit Sector

Sawmilling and Processing (SAW)

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 re-sawing green timber boards	1.1 Determine job requirements from work order or instructions and, where required, seek clarification from appropriate personnel 1.2 Confirm workplace health and safety procedures for task, including use of personal protective equipment, equipment lock-out and safe manual handling techniques 1.3 Identify and assess hazards and take actions to mitigate risks

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	related to sawing operations 1.4 Identify workplace environmental protection practices and/or procedures for minimising and disposing of waste material, cleaning tools and equipment and maximising energy efficiency 1.5 Acquire type, quantity and quality of timber to be cut from the storage location
2. Produce green timber boards	2.1 Set up saw, carriage and feeding system according to workplace health and safety procedures, manufacturer instructions and environmental protection practices and/or procedures 2.2 Adjust saw and equipment regularly within operational capacity to achieve product sizes and tolerances according to work order 2.3 Monitor timber supply to ensure quantity of finished product and constant supply to saw 2.4 Maintain feed rate during operation to optimise production without damaging timber or saw blade 2.5 Reuse, recycle or dispose of incorrect cuts, off-cuts and sub-standard timber according to workplace environmental protection practices and/or procedures 2.6 Stack timber safely in designated location according to workplace procedures 2.7 Identify routine processing problems, and resolve or report to appropriate personnel 2.8 Record and report production output
3. Complete operator maintenance	3.1 Lock out equipment according to workplace health and 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 workplace environmental protection practices and/or procedures 3.5 Complete basic non-specialist maintenance for equipment according to manufacturer instructions 3.6 Keep machine clear of dust and debris according to workplace health and safety procedures 3.7 Record and report equipment faults and maintenance requirements

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	to appropriate personnel

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
Reading	Interpret routine workplace documents, including workplace health and safety guidelines, workplace procedures, cutting lists and work orders
Oral communication	Ask questions and actively listen to clarify work orders and job tasks and report workplace issues
Numeracy	- Calculate feed rate to optimise quality and quantity of production output - Accurately measure dimensions of sawn timber against standard sizes and tolerances

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
FWPSAW3253 Re-saw green timber	FWPSAW3243 Produce sawn green boards	Redesigned unit that incorporates content from FWPSAW3243 Produce sawn green boards and FWPTMM3210 Convert timber	Not equivalent
FWPSAW3253 Re-saw green timber	FWPTMM3210 Convert timber	Redesigned unit that incorporates content from FWPSAW3243 Produce sawn green boards and FWPTMM3210 Convert timber	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>

Assessment Requirements for FWPSAW3253 Re-saw green timber

Modification History

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

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 re-sawn, according to an individual work order, one type of green hardwood, softwood, native or imported species timber product selected from:

- flitches
- cants
- rough sawn timber.

In performing this task, the individual has:

- used one of the following items of equipment:
 - power operated, automatic feed controlled ripping saws
 - saws with adjustable cant (sloping table)
 - saws with one blade
 - rip saws
 - table saws
 - bench saws.
- 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 finished product in designated storage location according to common size, length and width
- completed operator maintenance on the saw used.

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:

- typical timber defects and the impact on production of quality sawn timber product, including:
 - warp
 - wane
 - cupping
 - shakes
 - insect defects
 - knots
 - resin pockets
- typical workflow processes for re-sawing green timber
- typical flow of green sawn timber supply into the sawing area
- range of cutting patterns used on green sawn timber to maximise the amount of product and usability
- range of industry standard lengths, cross-sections and tolerances, and applicable terminology for green timber product
- range of feed rates and impact on production output and finished quality of green timber product
- storage layout and categories for stacking finished green timber product
- purpose, features and operation of measuring equipment used in re-sawing green timber
- purpose, features and operation of saws used in workplace for re-sawing green timber
- purpose, features and operation of maintenance tools and equipment for saws
- methods for assessing saw blade condition
- workplace environmental protection requirements and practices for sawing operations, including:
 - cleaning plant, tools and equipment
 - criteria and processes for disposing of, recycling and reusing timber
 - minimising waste material and maximising energy efficiency
- processes for implementing routine operator maintenance activities associated with sawing operations
- workplace procedures specific to re-sawing green timber, including:
 - health and safety, with particular emphasis on equipment lock-out, use of PPE and manual handling
 - communication reporting lines
 - recording and reporting production output, processing problems and equipment faults.

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 processing plant, a timber product manufacturing plant or an environment that accurately represents workplace conditions
- resources, equipment and materials:
 - measuring equipment
 - saw to re-saw green timber
 - maintenance tools and equipment for saws
 - manual handling equipment
 - consumable saw blades
 - PPE suitable for re-sawing green timber
 - a commercial range of green timber for re-sawing
- specifications:
 - work order with specific instructions for re-sawing green timber
 - template documents for recording equipment faults and maintenance requirements
 - workplace health and safety and environmental protection policies and/or procedures applicable to re-sawing green timber
 - workplace procedures for re-sawing green timber.

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

Links

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