



**Australian Government**

# **Assessment Requirements for FWPSAW3243 Produce sawn green boards**

**Release: 1**

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## Modification History

Release	Comments
Release 1	This version released with FWP Forest and Wood Products Training Package Version 5.0.

## Performance Evidence

An individual demonstrating competency must satisfy all of the elements and performance criteria in this unit.

There must be evidence that, on at least one occasion, the individual has:

- followed relevant workplace health and safety and environmental protection procedures
- identified, assessed and taken actions to mitigate risks and hazards associated with re-sawing timber
- set up and operated sawing equipment to produce sawn green timber boards
- produced sawn green boards for one or more of the following types of timber according to an individual work order prescribing different lengths, tolerances and a number of boards for each job:
  - hardwood
  - softwood
  - native timber species
  - imported timber species
- used one or more of the following types of saws:
  - power operated, automatic feed controlled ripping saws
  - saws with adjustable cant (sloping table)
  - saws with one blade
  - rip saws
  - table saws
  - bench saws
- stacked batches of cut timber in storage location according to common size, length, width and cant
- completed the following basic non-specialist operator maintenance activities:
  - cleaned the machine of wood chips and sawdust
  - replaced blunt saw blades, if required
  - inspected machine parts for wear or damage, including guards

- greased and lubricated moving parts
- checked the operation of emergency stop buttons and lock-out systems
- recorded and reported production output, equipment faults and maintenance requirements to appropriate personnel.

## 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:
  - warp
  - wane
  - cupping
  - shakes
  - insect defects
  - knots
  - resin pockets
- typical workflow processes for sawing green timber boards
- typical flow of flitch and cant supply into the sawing area
- range of cutting patterns used on green flitches and cants to achieve maximum output of green timber boards
- range of industry standard lengths, cross-sections and tolerances, and applicable terminology for green timber
- range of feed rates and impact on production output and finished quality of green timber boards
- storage layout and categories for stacking finished green timber boards
- purpose, features and operation of measuring equipment used in the production of sawn green timber boards
- purpose, features and operation of saws:
  - power operated, automatic feed controlled ripping saws
  - saws with adjustable cant (sloping table)
  - saws with one blade
  - rip saws
  - table saws
  - bench saws
- purpose, features and operation of maintenance tools and equipment for saws
- methods for assessing saw blade condition
- manual handling techniques
- environmental protection practices for sawing operations:
  - 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 producing sawn green timber boards:
  - workplace health and safety, with particular emphasis on equipment lock-out, use of personal protective equipment (PPE) and manual handling
  - communication reporting lines
  - recording and reporting production output, processing problems and equipment faults.

## Assessment Conditions

Assessment of skills must take place under the following conditions:

- physical conditions:
  - skills must be demonstrated in a timber processing plant or an environment that accurately represents workplace conditions
- resources, equipment and materials:
  - measuring equipment
  - saws, including one or more of the following: power operated, automatic feed controlled ripping saw, saw with adjustable cant (sloping table), saw with one blade, rip saw, table saw, bench saw
  - maintenance tools and equipment for saws
  - manual handling equipment
  - consumable saw blades
  - PPE suitable for producing sawn green boards
  - a diverse, comprehensive and commercial range of green fitches and cants
- specifications:
  - manufacturer instructions for use, repair and maintenance of equipment
  - work order with specific instructions for cutting green timber boards
  - template documents for recording equipment faults and maintenance requirements
  - workplace procedures for producing sawn green boards.

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>