



**Australian Government**

**Assessment Requirements for  
FWPSAW4206 Monitor output timber for  
optimum volume and value recovery**

**Release: 1**

# Assessment Requirements for FWPSAW4206 Monitor output timber for optimum volume and value recovery

## 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:

- monitored output timber for optimum volume and value recovery
- in doing the above job, the individual has:
  - followed work order and relevant workplace health and safety and environmental protection procedures
  - identified, assessed and taken actions to mitigate risks and hazards associated with sawing operations
  - recorded and reported on production outcomes and their compliance with optimisation objectives
  - made recommendations based on evidence to improve production and optimisation outcomes.

## 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:

- optimisation principles
- cutting patterns
- output data:
  - sources of output data
  - types of output data
  - methods of interpreting output data
  - common anomalies in output data
  - ways of validating accuracy of output data
  - corrective actions in response to common anomalies in output data

- timber processing constraints:
  - markets
  - timber supply
  - preferred products
  - downstream processing options
- types of equipment faults and appropriate corrective actions:
  - mechanical
  - hydraulic
  - pneumatic
  - electrical
  - data
  - electronic
- corrective action:
  - communication to management
  - communication to the on-site technical support person
  - communication to the off-site technical support person
  - cleaning
  - communication with maintenance staff
  - recalibration
  - changes made to the operating system according to workplace procedures
- determinants of product mix:
  - timber characteristics
  - machine capability
  - product demand
- influences on timber volume and value recovery
- methods for reusing, recycling or disposing of items that do not meet quality requirements
- risks and hazards associated with sawing operations
- safe work practices and procedures, including use of personal protective equipment (PPE) and safe manual handling techniques.

## Assessment Conditions

Assessment of skills must take place under the following conditions:

- physical conditions:
  - skills must be demonstrated in a sawmill or an environment that accurately represents workplace conditions
- resources, equipment and materials:
  - equipment and timber needed for the work
  - output data for monitoring timber volume, grade and size
  - PPE for sawmill operations

- specifications:
  - template documents for recording production outcomes
  - work order with specific instructions for optimising timber production for volume and value recovery
  - workplace procedures for optimising timber production for volume and value recovery.

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>