



Australian Government

**Assessment Requirements for
FWPSAW4207 Optimise timber production
for volume and value recovery**

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:

- established and implemented a plan for optimising the volume and value recovery of timber production
- 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.

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
- timber processing constraints:
 - markets
 - timber supply
 - preferred products
 - downstream processing options
- determinants of product mix:
 - timber characteristics
 - machine capability

- product demand
- optimisation software
- influences on timber volume and value recovery
- methods for reusing, recycling or disposing of items that do not meet quality requirements
- timber defects:
 - types
 - impact on volume and value of recovered timber
 - inspection methods
- risks and hazards associated with sawing operations
- safe work practices and procedures.

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:
 - optimisation software package and associated computing hardware
 - tools, equipment and timber needed for the work
 - personal protective equipment for sawmill operations
- specifications:
 - template documents for recording production outcomes
 - manufacturer instructions for optimisation software
 - 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>