



**Australian Government**

# **FWPSAW4205 Plan and monitor timber conversion**

**Release: 1**

## FWPSAW4205 Plan and monitor timber conversion

### Modification History

Release	Comments
Release 1	This version released with FWP Forest and Wood Products Training Package Version 4.0.

### Application

This unit of competency describes the skills and knowledge required to plan the production of timber from flitches and cants in a timber processing facility. Work involves responsibilities in planning cutting patterns and schedules, coordinating sawing processes and monitoring equipment and output for improvement.

The unit applies to individuals who work as supervisors and production supervisors in timber processing facilities. They generally demonstrate autonomy, judgement and limited responsibility in known or changing contexts and within established parameters.

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, regulatory or certification requirements apply to this unit at the time of publication.

### Pre-requisite Unit

Nil

### Unit Sector

Sawmilling and Processing

### 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. Plan timber production from flitches and cants	1.1 Review workplace health and safety requirements, environmental protection practices and emergency procedures according to operational requirements

<b>Elements</b>	<b>Performance Criteria</b>
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	<p>1.2 Identify and control hazards and use personal protective equipment according to workplace requirements and health and safety legislation to maintain safe work practices</p> <p>1.3 Assess flitches and cants for types of timber that can be cut and determine the optimal cutting pattern</p> <p>1.4 Plan and document cutting patterns to maximise output and minimise wastage</p> <p>1.5 Develop timber cutting schedules and work orders and brief sawing operators according to workplace procedures</p> <p>1.6 Identify variations in timber characteristics and report to sawing operators</p>
2. Coordinate sawing operations for timber production	<p>2.1 Assist sawing operators to evaluate flitches and cants and sawing problems</p> <p>2.2 Monitor and assess timber cutting processes for the quality of cutting pattern, suitability to flitch or cant condition and ability to maintain production schedule</p> <p>2.3 Modify cutting patterns and production schedule as required to ensure optimum performance, and communicate to sawing operators</p> <p>2.4 Assist sawing operators to reject sub-standard flitches and cants and ensure they are disposed of according to environmental protection practices</p> <p>2.5 Ensure processed timber is directed to a designated area for storage or further processing</p> <p>2.6 Complete and maintain records of cutting output according to workplace procedures</p> <p>2.7 Investigate, record and report major processing and equipment faults and resolve or report to appropriate personnel</p>
3. Evaluate and determine process improvement	<p>3.1 Monitor and evaluate timber conversion operations and output to determine process improvements</p> <p>3.2 Document process improvements and communicate to appropriate personnel according to workplace procedures</p>

## 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
Numeracy	<ul style="list-style-type: none"> <li>Complete routine calculations to measure fitches and cants</li> <li>Complete complex calculations to determine:               <ul style="list-style-type: none"> <li>potential volume return from fitches and cants</li> <li>cutting schedules considering human and equipment resource capacity</li> </ul> </li> </ul>
Navigate the world of work	<ul style="list-style-type: none"> <li>Understand main tasks, responsibilities and boundaries of own role</li> <li>Take responsibility for coordinating a team of sawing operators for effective timber production operations</li> </ul>
Interact with others	<ul style="list-style-type: none"> <li>Use modes of communication suitable for the purpose to facilitate process improvements</li> </ul>
Get the work done	<ul style="list-style-type: none"> <li>Use a computer, keyboard and software to prepare cutting schedules, work orders and reports</li> </ul>

## Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
FWPSAW4205 Plan and monitor timber conversion	FWPSAW4204 Plan and monitor board conversion	Updated industry terminology, workplace health and safety requirements and foundation skills; clarified intent of the unit and assessment requirements; changed unit title and code for compliance and consistency with the updates.	Equivalent unit

## Links

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