



**Australian Government**

# **FWPCOT2243 Tail out timber product and waste material**

**Release: 1**

# FWPCOT2243 Tail out timber product and waste material

## Modification History

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

## Application

This unit of competency describes the skills and knowledge required to safely clear timber product and waste material as they emerge from a sawing or machining operation.

The unit applies to individuals who carry out tailing out functions in a timber processing or manufacturing facility.

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

Common Technical (COT)

## 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 timber sawing or machining operation | 1.1 Review work order and identify required finished timber sizes and quantities with the operator<br>1.2 Check sequence of cuts or machining passes with operator and work order when multiple cuts are required<br>1.3 Review workplace health and safety procedures, including the use of personal protective equipment, equipment lock-out and safe manual |

| Elements                                                  | Performance Criteria                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|-----------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <i>Elements describe the essential outcomes.</i>          | <i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|                                                           | <p>handling techniques</p> <p>1.4 Identify, assess and take actions to mitigate risks and hazards associated with tailing out timber products and waste material</p> <p>1.5 Identify workplace environmental protection procedures for minimising and disposing of waste material, cleaning tools and equipment, and maximising energy efficiency</p>                                                                                                                                                                                                                                                                                         |
| 2. Maintain the process workflow                          | <p>2.1 Clear timber product to maintain the process workflow according to sawing or machining speed, workplace safety requirements and production plans</p> <p>2.2 Clear sawn waste regularly according to workplace procedures and environmental requirements</p> <p>2.3 Assess timber product against product standards and, when necessary, return to the operator for further processing</p> <p>2.4 Identify and report problems in workflow or processing of timber product to the operator for resolution</p> <p>2.5 Dispose of faulty or defective timber product according to workplace procedures and environmental requirements</p> |
| 3. Sort finished timber product and complete work records | <p>3.1 Assess finished timber product for standard sizes according to workplace procedures</p> <p>3.2 Sort and stack finished timber product according to workplace procedures and specific operational requirements</p> <p>3.3 Segregate and store, or direct, recoverable timber product and waste for further processing according to workplace procedures</p> <p>3.4 Record and report production and timber product quality information 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                                                                                                     |
|---------|-----------------------------------------------------------------------------------------------------------------|
| Reading | <ul style="list-style-type: none"> <li>Reads workplace health and safety and environment policies to</li> </ul> |

| Skill                | Description                                                                                                                                                                                                                                                                                                                                                         |
|----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                      | identify procedures for clearing sawn waste from work area                                                                                                                                                                                                                                                                                                          |
| Writing              | <ul style="list-style-type: none"> <li>Completes basic written production reports and tally sheets</li> </ul>                                                                                                                                                                                                                                                       |
| Oral communication   | <ul style="list-style-type: none"> <li>Responds to oral questions on routine matters related to output quality</li> </ul>                                                                                                                                                                                                                                           |
| Numeracy             | <ul style="list-style-type: none"> <li>Uses basic arithmetic skills to determine quantity and dimensions of tail out materials</li> <li>Uses standard units of measure to determine dimensions of finished product</li> <li>Interprets charts and graphical information to gather data on stress-grading and standard timber profiles and cross-sections</li> </ul> |
| Interact with others | <ul style="list-style-type: none"> <li>Participates in conversations to inform maintenance staff about equipment faults</li> </ul>                                                                                                                                                                                                                                  |
| Get the work done    | <ul style="list-style-type: none"> <li>Identifies and responds to routine problems</li> </ul>                                                                                                                                                                                                                                                                       |

## Unit Mapping Information

| Code and title current version                           | Code and title previous version | Comments                                                                                                     | Equivalence status |
|----------------------------------------------------------|---------------------------------|--------------------------------------------------------------------------------------------------------------|--------------------|
| FWPCOT2243<br>Tail out timber product and waste material | FWPCOT2205 Tail out materials   | Updated unit code and title for clarity and compliance; edited machines required under assessment conditions | 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>

# Assessment Requirements for FWPCOT2243 Tail out timber product and waste material

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## 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:

- safely cleared sawn or machined timber product and waste from a saw or machine while maintaining process flow
- in doing the above job, the individual has:
  - identified work requirements in conjunction with the machine operator
  - followed work order and relevant workplace health and safety and environmental protection procedures
  - checked, sorted and stacked the finished product
  - disposed of waste material
  - completed production reports.

## 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:

- workplace health and safety procedures for tailing out timber products:
  - standard operating procedure
  - personal protective equipment (PPE) requirements
  - procedures for safely disposing of waste material in an environmentally sustainable manner
- methods of controlling timber product:
  - timber product movement
  - position of the timber product being sawn or dressed
  - avoiding contact with saw or cutter
  - removing waste

- common work area and environmental hazards, risks and control techniques
- tailing out terminology, processes and procedures
- criteria for recycling and reusing material with faults or defects
- industry standard cross-section and length dimensions and tolerances
- communication channels and protocols used to ensure safety and productivity
- flow or control problems:
  - speed of production
  - flow of product
  - sharpness of blades or cutters
  - quality of materials
  - communication
  - housekeeping
  - burn marks
  - rough finish
  - tear out
  - machine marks
  - irregular size of the finished product
- mathematical procedures used to calculate timber size and dimension
- procedures for recording and reporting quality and production requirements.

## Assessment Conditions

Assessment of skills must take place under the following conditions:

- physical conditions:
  - skills must be demonstrated in a timber processing or manufacturing facility or an environment that accurately reflects workplace conditions
- resources, equipment and materials:
  - timber cutting or machining equipment used in a timber processing or manufacturing facility
  - PPE suitable for tailing out timber product and waste material
  - one or more of the following types of sawn or machined timber product for tailing out: flitches, cants, timber boards, other timber products
- specifications:
  - access to template documents for recording production outcomes
  - access to work order detailing required finished timber product sizes and production timelines
  - access to written workplace procedures for tailing out.

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

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