



**Australian Government**

# **FWPCOT2259 Cut materials with a hand-held chainsaw**

**Release: 1**

# FWPCOT2259 Cut materials with a hand-held chainsaw

## Modification History

| Release   | Comments                                                                              |
|-----------|---------------------------------------------------------------------------------------|
| Release 1 | This version released with FWP Forest and Wood Products Training Package Version 6.0. |

## Application

This unit of competency describes the skills and knowledge required to prepare and cut timber and polymer materials with a hand-held chainsaw. This unit includes preparing for work, cutting materials, maximising volume and quality of recovery material, and performing routine operator maintenance.

The unit applies to individuals who cut materials with a hand-held chainsaw in a variety of work settings, including sawmills, forest product manufacturing facilities, timber yards, horticultural environments, construction, polymer processing and other manufacturing settings.

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 operation                         | 1.1 Determine job requirements from work order or instruction and, where required, seek clarification from appropriate person<br>1.2 Confirm safety requirements for the task according to workplace safety procedures<br>1.3 Identify, assess and take actions to mitigate risks and hazards |

| 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>associated with using a hand-held chainsaw</p> <p>1.4 Identify workplace environmental requirements for minimising and disposing of waste material, recycling and reusing materials and cleaning tools and equipment</p> <p>1.5 Consult with team members and other appropriate personnel to ensure that work is coordinated effectively with others in the workplace</p> <p>1.6 Locate hand-held chainsaw and other support equipment needed for the work and check for correct operation and safety</p> <p>1.7 Select, fit and use personal protective equipment</p> <p>1.8 Conduct pre-start-up checks of saw to determine serviceability according to manufacturer instructions</p>                                                                                                                         |
| 2. Cut material                                  | <p>2.1 Assess materials visually to identify defects that may present unsafe work conditions, and review cutting plan</p> <p>2.2 Place cutting supports to ensure a stable base</p> <p>2.3 Cut materials within workplace standard tolerances for length and angle relative to centre line</p> <p>2.4 Use cutting techniques to cut materials to industry standard lengths, maximising volume and quality of recovery material</p> <p>2.5 Operate chainsaw effectively according to manufacturer recommendations</p> <p>2.6 Clear and dispose of debris according to workplace procedures and environmental requirements</p> <p>2.7 Complete production and quality reports according to workplace procedures</p> <p>2.8 Identify processing problems and equipment faults and report to appropriate personnel</p> |
| 3. Perform routine operator maintenance          | <p>3.1 Isolate, clean and maintain chainsaw according to manufacturer recommendations and workplace procedures</p> <p>3.2 Identify blunt or damaged chain, and remove, replace or sharpen and adjust chain according to workplace procedures and manufacturer recommendations</p> <p>3.3 Record and report maintenance activities to appropriate personnel</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                                                                                                                                                                                                                                                             |
|---------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Reading</b>            | <ul style="list-style-type: none"> <li>Extract relevant information and job requirements from relevant documentation</li> </ul>                                                                                                                                         |
| <b>Writing</b>            | <ul style="list-style-type: none"> <li>Use technical and workplace specific vocabulary to accurately and legibly complete workplace records and forms</li> </ul>                                                                                                        |
| <b>Oral communication</b> | <ul style="list-style-type: none"> <li>Ask open and closed probing questions and actively listen to clarify job requirements</li> <li>Give clear and sequenced information and ask clarifying questions when coordinating tasks with team members and others</li> </ul> |

## Unit Mapping Information

| Code and title current version                     | Code and title previous version                    | Comments                                                                                                                                                                                         | Equivalence status |
|----------------------------------------------------|----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|
| FWPCOT2259 Cut materials with a hand-held chainsaw | FWPCOT2238 Cut materials with a hand-held chainsaw | <p>Application wording updated</p> <p>Element reworded and Performance Criteria reviewed, updated and re-sequenced</p> <p>Foundation Skills and Assessment Requirements reviewed and updated</p> | Equivalent         |

## 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 FWPCOT2259 Cut materials with a hand-held chainsaw

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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 the individual has:

- assessed and cut twenty individual pieces of material with a hand-held chainsaw to industry standard lengths, maximising volume and quality of recovery material
- followed a work order or instruction, workplace policy and procedures and current workplace safety and environmental requirements in completing the task
- inspected and carried out routine operator maintenance on one hand-held chainsaw.

## 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:

- industry standards related to the safe use of hand-held chainsaws
- workplace environmental requirements for safe disposal of waste material
- workplace safety requirements related to the use of a hand-held chainsaw to cut materials:
  - hazards and control measures
  - exposure to dust
  - hazardous manual tasks
  - personal protective equipment (PPE)
- functions and operation of a hand-held chainsaw:
  - procedures, checks, start-up and shut-down procedures
  - capability and limitations
- communication channels and protocols to maintain safety
- types of defects in materials that can affect processing and cause risk
- workplace requirements for recording and reporting workplace and operational information.

## Assessment Conditions

Assessment of the skills in this unit of competency must take place under the following conditions:

- physical conditions:
  - skills must be demonstrated in a manufacturing or processing facility, timber yard, horticultural setting or an environment that accurately represents workplace conditions
- resources, equipment and materials:
  - a hand-held chainsaw and maintenance tools and equipment
  - PPE
  - materials for cutting
- specifications:
  - access to work order or instruction detailing the cutting activity to be conducted by operator
  - access to workplace safety and environmental policies and procedures applicable to cutting materials using a hand-held chainsaw
  - access to workplace procedures and forms for recording production outcomes and hand-held chainsaw maintenance and faults
  - manufacturer specifications for hand-held chainsaw
- relationships:
  - person to confirm work orders, coordinate workplace tasks and report maintenance activities.

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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