



**Australian Government**

# **Assessment Requirements for FWPCOT2239 Trim and cut felled trees**

**Release: 3**

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## Modification History

Release	Comments
Release 3	This version released with FWP Forest and Wood Products Training Package Version 5.0.
Release 2	This version released with FWP Forest and Wood Products Training Package Version 3.0.
Release 1	This version released with FWP Forest and Wood Products Training Package Version 2.0.

## Performance Evidence

A person demonstrating competency in this unit must satisfy all of the elements, performance criteria and foundation skills of this unit.

There must be evidence that, on at least one occasion, the individual has:

- safely and efficiently used a chainsaw to complete these activities:
  - trim and cut hardwood or softwood trees
  - delimb trees
  - trim branches
  - trim burls and other small growths
- used the following cutting techniques:
  - bridging cuts
  - swinging cuts
  - side bind cuts
  - boring
  - wedge cut
  - ripping cuts
- trimmed and cut trees in varied weather conditions
- completed the following maintenance activities on a chainsaw:
  - sharpening
  - refuelling
  - inspection, identification and replacement of bar, chain, drive sprockets
  - bar oil checks and top up

- air filter, check, clean and replacement
- cleaning of saw body, air intake vents and cooling fans
- fitting spare chain and tension chain.

## 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:

- environmental protection measures including:
  - action to limit the impact of noise, wind speed and direction, fallen trees, ground slope, ground hazards and obstacles, general forest lean
  - action to limit the impact to ground growth, canopy, density of trees
  - action to limit the impact on flora, fauna and habitat
  - soil and water protection
- cleaning plant, tools and equipment
- disposing of, recycling and reusing timber and other waste
- key features of these varying site conditions and effects on tree cutting and trimming activities:
  - ground growth
  - ground hazards and obstacles
  - ground slope
- key features of these varying weather conditions and effects on tree cutting and trimming activities:
  - dry, wet and adverse weather conditions
  - low and moderate wind speed and direction
- typical tree defects and how they affect tree cutting activities:
  - splits
  - falling damage
  - fire damage
  - insect infestation
  - pipe
  - shake
  - twist
  - knots and resin pockets
  - the presence of foreign bodies such as stakes and nails
- typical tree stresses and how they affect tree cutting activities:
  - tension (fibres being stretched)
  - compression (fibres being squashed)
  - neutral fibres
- range of chainsaw cutting techniques:
  - bridging cuts

- swinging cuts
- side bind cuts
- delimiting
- boring
- wedge cut
- ripping cuts
- cutting patterns used to optimise time and recovery of product from trees
- cutting sequences used to maintain control of cut sections and minimise cutting problems
- purpose, features, operation and basic non-specialist repair and maintenance of chainsaws
- methods for assessing chain condition
- organisational procedures specific to tree trimming and cutting activities:
  - workplace health and safety with particular emphasis on equipment lock out and use of personal protective equipment
  - communication reporting lines
  - recording and reporting tree cutting outcomes, equipment faults and maintenance requirements.

## Assessment Conditions

Assessment of skills must take place under the following conditions:

- physical conditions:
  - competency is to be assessed in the workplace or a simulated environment that accurately reflects performance in a real workplace setting
- resources, equipment and materials:
  - chainsaws
  - chainsaw fuel and oil containers
  - support tools appropriate for work tasks (hammer, wedges, logging tape, cant hook and/or breaking bar)
  - mobile plant and equipment appropriate for work tasks (wood chipper and/or loaders)
  - maintenance tools and equipment for chainsaws
  - personal protective equipment suitable for cutting trees and maintaining chainsaws
- specifications:
  - manufacturer's instructions for use and maintenance of equipment
  - work order with specific instructions for tree cutting activities
  - template reports for recording tree cutting outcomes, equipment faults and maintenance requirements
  - organisational procedures for tree trimming and cutting activities.

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

## **Links**

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=0d96fe23-5747-4c01-9d6f-3509ff8d3d47>