Assessment Requirements for FWPCOT2239 Trim and cut felled trees

Release: 2

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Modification History

Release	Comments
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. If a specific volume or frequency is not stated below, then evidence must be provided that the following requirements have been performed on at least one occasion:

- safely and efficiently use a chainsaw to complete these activities:
    - trim and cut hardwood or softwood trees
    - delimb trees
    - trim branches
    - trim burls and other small growths
- use these cutting techniques:
    - bridging cuts
    - swinging cuts
    - side bind cuts
    - boring
    - wedge cut
    - ripping cuts
- trim and cut trees in these environmental conditions:
    - dry weather condition
    - wet weather condition
    - low and moderate wind speeds
- complete the following maintenance 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

A person competent in this unit must be able to demonstrate 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 environmental conditions and effects on tree cutting and trimming activities:
  - ground growth
  - ground hazards and obstacles
  - ground slope
  - wet and adverse weather conditions
  - 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
- 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

- - delimbing
  - 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

The following resources must be made available:

- chainsaws
- chainsaw fuel and oil containers
- support tools (hammer, wedges, logging tape, cant hook or breaking bar)
- maintenance tools and equipment for chainsaws
- personal protective equipment suitable for cutting trees and maintaining chainsaws
- manufacturers' 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.

Competency is to be assessed in the workplace or a simulated environment that accurately reflects performance in a real workplace setting.

Assessor requirements

Assessors must:

- hold the appropriate assessor competency standards as outlined in regulations; and
- be able to demonstrate vocational competencies at least to the level being assessed; and
- be able to demonstrate how they are continuing to develop their VET knowledge and skills as well as maintaining their industry currency and assessor competence.

Links

Companion Volume implementation guides are found in VETNet - https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=0d96fe23-5747-4c01-9d6f-3509ff8d3d47