



Australian Government

**Assessment Requirements for
FWPHAR3209 Harvest trees manually
(advanced)**

Release: 1

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Modification History

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

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, planned and conducted the felling of six advanced trees with a chainsaw, optimising time, value recovery and manageable removal of sections.

In completing this work, the individual must demonstrate that, for each tree, the falling technique was consistent with current Australian Standards and industry codes of practice applicable to tree felling operations.

There must also be evidence that the individual has inspected and carried out routine maintenance on one chainsaw and its cutting attachments on one occasion according to manufacturer requirements.

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:

- Australian Standards and codes of practice applicable to tree felling operations
- workplace health and safety requirements applicable to tree felling operations:
 - personal protective equipment (PPE) and clothing
 - safety equipment
 - first aid equipment
 - firefighting equipment
 - hazard and risk control procedures
 - fatigue management procedures
 - appropriate signage
 - elimination of hazardous materials and substances procedures
 - safe forest practices, including required actions relating to fire
 - techniques for manual handling (shifting, lifting and carrying)

- state/territory forest codes of practice applicable to tree felling operations
- optimisation in tree felling operations:
 - time
 - value recovery
 - manageable removal of sections
- types and purposes of cuts to fall advanced trees:
 - scarf cutting
 - back cutting using different methods to provide hinge-wood and wedges to maintain control of tree
- typical tree defects and how they affect tree felling activities
- methods to identify advanced trees:
 - trees that contain hazards and are deemed unsafe to fell
 - trees considered outside own skill level
 - where cuts made may lead to loss of control of tree in felling
- hazards and risks related to falling trees with chainsaws, and methods to minimise associated risks
- methods used to remove trees that are hung up, and procedures for removal
- methods for assessing chain condition
- cutting patterns used to optimise time to fell trees
- environmental protection measures that meet legal obligations and requirements of the industry, state and local standards and/or codes of practice for falling trees with chainsaws:
 - protection of natural and cultural assets
 - cleaning plant, tools and equipment
 - disposing of, recycling and reusing materials
- types, safe use, operation and maintenance of chainsaws, support tools and attachments
- components of a harvesting plan:
 - extraction plan
 - traffic plan
 - environmental requirements
 - restricted areas
 - identified hazards
 - product volumes
- log extraction methods (skidding, forwarding, using cable or shovel logging)
- work order information regarding:
 - tree felling requirements
 - requirements for product quality
 - harvesting plan.

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 workplace location or an environment that accurately represents workplace conditions
- resources, equipment and materials:
 - chainsaw and accessories
 - suitable trees to fell
 - tools and equipment to fell trees
 - personal protective equipment required in tree felling operations
 - communication system
- specifications:
 - access to workplace safety and environmental protection policies and procedures applicable to tree felling and chainsaw operations
 - access to harvesting plans
 - access to workplace standard operating procedures or operator manual for chainsaws.

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

Links

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