



**Australian Government**

# **Assessment Requirements for FWPHAR2209 Trim and cut harvested trees**

**Release: 1**

# Assessment Requirements for FWP HAR2209 Trim and cut harvested trees

## 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 trimming and cutting of six felled trees using a chainsaw to optimise time, volume recovery and quality.

In performing this work, there must be evidence that the individual:

- demonstrated three or more cut types from the list below:
  - bridging cuts
  - swinging cuts
  - side bind cuts
  - boring cuts
  - wedge cuts
  - ripping cuts
  - step cuts
- followed workplace policy and procedures, current workplace health and safety legislation, regulations and related industry standards and codes of practice applicable to cutting felled tree operations
- checked and sharpened or changed a saw chain on one occasion according to manufacturer instructions.

## 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:

- chainsaw cutting techniques used to trim and cut felled trees:
  - bridging cut
  - swinging cut
  - side bind cut

- boring cut
- wedge cut
- ripping cut
- step cut
- felled tree stresses and how they affect tree cutting activities:
  - tension (fibres being stretched)
  - compression (fibres being squashed)
  - neutral fibres
- optimisation in trimming and cutting operations:
  - time
  - value recovery
  - manageable removal of logs
- cutting patterns used to optimise time and recovery of product from felled trees
- cutting sequences used to maintain control of cut sections and minimise cutting problems
- hazards and risks associated with site conditions and effects on chainsaw operations
- methods to identify and explain how timber defects may affect the chainsaw operation
- industry standards:
  - lengths and tolerances and applicable terminology
  - grades for log and applicable terminology
- methods for assessing chain condition
- workplace policies and procedures specific to tree trimming and cutting activities:
  - workplace health and safety, with particular emphasis on equipment lock-out, use of personal protective equipment (PPE) and safe manual handling
  - communication reporting lines
  - recording and reporting production outcomes, equipment faults and maintenance requirements
  - codes of practice
  - harvest plans
- environmental protection practices for harvesting operations:
  - soil and water protection
  - cleaning plant, tools and equipment
  - disposing of, recycling and reusing timber and other waste.

## Assessment Conditions

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

- physical conditions:
  - competency is to be assessed in a commercial forest operation or a simulated environment that accurately reflects performance in a real workplace setting
- resources, equipment and materials:

- chainsaw and accessories
- suitable felled trees to trim and cut
- PPE required in trimming and cutting felled trees
- communication system
- specifications:
  - access to work order or instruction detailing cutting and trimming operations to be carried out by chainsaw operator
  - access to workplace safety and environmental protecting policies and procedures applicable to trimming and cutting operations and chainsaw use
  - 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>