



Australian Government

FWPHAR2209 Trim and cut harvested trees

Release: 1

FWPHAR2209 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.

Application

This unit of competency describes the outcomes required to trim and cut harvested (felled) trees with a chainsaw for commercial production and complete operator maintenance.

The unit applies to individuals who trim and cut felled trees as part of commercial forestry operations.

All work must be carried out to comply with workplace procedures, according to state/territory health and safety regulations, legislation, standards and industry codes of practice that apply to the workplace.

No licensing, legislative or certification requirements apply to this unit at the time of publication.

Pre-requisite Unit

Nil

Unit Sector

Harvesting and Haulage (HAR)

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 trimming and cutting felled trees	1.1 Determine job requirements from work order or instruction and, where required, seek clarification from appropriate personnel 1.2 Confirm safety and environmental protection requirements for the task according to workplace procedures 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>
	associated with trimming and cutting felled trees 1.4 Plan trimming and cutting activities according to work order or instruction, harvesting and site plans and environmental conditions 1.5 Consult and maintain communication with team members and other appropriate personnel to ensure that work is coordinated effectively with others in the workplace 1.6 Select, fit and use personal protective equipment 1.7 Obtain tools and equipment needed for the work, and check for correct operation and safety
2. Assess felled trees visually	2.1 Inspect site for conditions likely to affect safe implementation of trimming and cutting activities 2.2 Assess felled trees visually to identify defects, grades and recovery status 2.3 Assess felled trees for extraction 2.4 Mark felled trees too dangerous to cut safely, and refer to appropriate personnel
3. Plan cutting felled trees	3.1 Move or stabilise felled tree for safe cutting according to workplace procedures 3.2 Select cutting pattern to optimise time, volume recovery and quality 3.3 Plan cutting sequence to maintain control of cut sections and minimise cutting problems 3.4 Select, measure and mark cutting positions according to workplace procedures and industry standard lengths 3.5 Clear debris from work area to allow safe access and prevent saw damage and personal injury
4. Use chainsaw to trim and cut felled trees	4.1 Monitor location and movement of other personnel, and modify work to ensure safety 4.2 Operate saw to cut felled tree and adjust cutting technique in response to movement and condition of felled tree 4.3 Complete cut once started and minimise capping and splitting 4.4 Apply retrieval techniques for stuck, pinched or jammed part of chainsaws 4.5 Square cut butts, trim accessible branches, bumps and burls and

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	remove head of felled tree
5. Complete operator maintenance	5.1 Inspect equipment on completion of trimming and cutting activities 5.2 Follow workplace safety procedures to lock out equipment 5.3 Check chain for bluntness or damage 5.4 Remove, sharpen, adjust or replace chain and other components according to manufacturer recommendations and workplace procedures 5.5 Report production outcomes, equipment faults and maintenance requirements to appropriate personnel

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
Reading	Interpret workplace documentation to determine work requirements
Writing	Use technical and workplace specific vocabulary to accurately and legibly complete workplace records and forms
Oral communication	Ask questions and actively listen to clarify contents of work plans
Numeracy	Complete routine calculations and report on size, length and diameter of cut felled trees

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
FWPHAR2209 Trim and cut harvested	FWPHAR2207 Trim and cut harvested	Minor updates to Application and	Equivalent

Code and title current version	Code and title previous version	Comments	Equivalence status
trees	trees	Knowledge Evidence Re-titled Element Added new Performance Criteria Updated Foundation Skills, Performance Evidence and Assessment Conditions	

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 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>