

Modification history

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

FWPHAW2XXX	Trim and cut harvested trees
Application	<p>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. Work is completed in a forest or plantation setting.</p> <p>The unit applies to individuals who trim and cut felled trees as part of commercial forestry operations.</p> <p>All work must be carried out to comply with workplace procedures, according to state/territory health and safety regulations, legislation and standards that apply to the workplace.</p> <p>No licensing, legislative, regulatory, or certification requirements apply to this unit at the time of publication.</p>
Prerequisite Unit	Nil
Unit Sector	Forest Growing and Management Harvesting and Haulage

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	1.1 Review work order or instruction to determine job requirements and, where required, seek clarification from appropriate personnel 1.2 Review workplace health and safety procedures, including the use of personal protective equipment, operation and maintenance of chainsaws, equipment lock-out and safe manual handling techniques 1.3 Identify, assess and take actions to mitigate risks and hazards associated with trimming and cutting felled trees 1.4 Identify workplace environmental protection procedures for trimming and cutting felled trees, minimising and disposing of waste material, and cleaning tools and equipment 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 Obtain tools and equipment needed for the work and check for correct operation and safety 1.7 Plan trimming and cutting activities according to work order or instruction, harvesting and siter plans and environmental conditions
2. Visually assess felled trees	2.1 Inspect site for conditions likely to affect safe implementation of trimming and cutting activities 2.2 Visually assess trees for defects, grades and recovery status 2.3 Assess trees for extraction and suitable transport method 2.4 Mark trees too dangerous to cut safely and refer to appropriate personnel

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
3. Plan cutting.	3.1 Move or stabilise 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 trees	4.1 Monitor location and movement of other personnel and modify work to ensure safety 4.2 Secure tree section on each side of planned cut as required and evaluate and control potential movement 4.3 Operate saw to cut tree and adjust cutting technique in response to movement and condition of tree 4.4 Complete cut once started and minimise capping and splitting 4.5 Square cut butts, trim accessible branches and knots and remove head of tree 4.6 Prepare logs for extraction according to workplace procedures
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 and replace chain and other components according to manufacturer recommendations and workplace procedures 5.5 Record and report production outcomes, equipment faults and maintenance requirements to appropriate personnel

Foundation Skills	
<i>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.</i>	
Skill	Description
Reading	<ul style="list-style-type: none"> Read workplace documentation and correctly identify work requirements
Writing	<ul style="list-style-type: none"> Complete basic written records for tree trimming and cutting process, equipment faults and maintenance requirements
Oral communication	<ul style="list-style-type: none"> Ask open and closed probing questions and actively listen to clarify contents of work plans
Numeracy	<ul style="list-style-type: none"> Plan time-efficient cutting patterns and sequences Complete routine calculations and report on size, length and diameter of cut trees

Unit Mapping Information			
Code and title current version	Code and title previous version	Comments	Equivalence status
FWPHAR2XXX Trim and cut harvested trees	FWPHAR2207 Trim and cut harvested trees		
Links	Companion Volumes, including Implementation Guides, are available at VETNet: https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=0d96fe23-5747-4c01-9d6f-3509ff8d3d47		

TITLE	Assessment requirements for FWPHAR2XXX Trim and cut harvested trees
Performance Evidence	
<p>An individual demonstrating competency must satisfy all of the elements and performance criteria in this unit.</p> <p>There must be evidence that the individual has:</p> <ul style="list-style-type: none"> • assessed, planned and conducted the trimming and cutting of six felled trees to optimise time, volume recovery and quality following a work order or instruction that is consistent with workplace policy and procedures and current workplace health and safety legislation, regulations and related industry standards and codes of practice applicable to tree felling operations. In performing this work the individual must demonstrate the following cutting techniques: <ul style="list-style-type: none"> • bridging cuts • swinging cuts • side bind cuts • boring cuts • wedge cut • ripping cuts • checked and sharpened one chain on two occasions according to manufacturer instructions. 	
Knowledge Evidence	
<p>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:</p> <ul style="list-style-type: none"> • purpose, features, operation and basic non-specialist repair and maintenance of chainsaws including: <ul style="list-style-type: none"> • pre-start up checks • inspection, identification and replacement of bar, chain and drive sprockets • chain sharpening • bar oil checks and top-up • air filter, check, clean and replacement • refuelling • range of chainsaw cutting techniques including: <ul style="list-style-type: none"> • bridging cuts • swinging cuts • side bind cuts • delimiting • boring cuts • wedge cut • use of wedges • optimisation in trimming and cutting operations <ul style="list-style-type: none"> • time • value recovery • manageable removal of logs • 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 • key features of the following site conditions and effects on tree cutting and trimming activities: <ul style="list-style-type: none"> • general forest lean • ground growth • ground hazards and obstacles • ground slope • gullies • presence and density of seed and habitat trees • water courses • tree defects and how these affect tree cutting activities and quality of finished product: <ul style="list-style-type: none"> • shakes • insect defects • knots and resin pockets 	

Knowledge Evidence
<ul style="list-style-type: none"> • pipe • lumps • bumps • drysides • industry standards: <ul style="list-style-type: none"> • 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: <ul style="list-style-type: none"> • workplace health and safety with particular emphasis on equipment lock out and use of personal protective equipment (PPE) • communication reporting lines • recording and reporting production outcomes, equipment faults and maintenance requirements • Codes of Practice • Harvest Plans • environmental protection practices for forest and plantation settings: <ul style="list-style-type: none"> • soil and water protection • action to limit the impact to ground growth, canopy, density of trees • reducing water and energy use • cleaning plant, tools and equipment • disposing of, recycling and reusing timber and other waste.

Assessment Conditions
<p>Assessment of skills must take place under the following conditions:</p> <ul style="list-style-type: none"> • physical conditions: <ul style="list-style-type: none"> • 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: <ul style="list-style-type: none"> • chainsaw and accessories • suitable felled trees to trim and cut • PPE required in trimming and cutting felled trees • communication system • specifications: <ul style="list-style-type: none"> • access to work order or instruction detailing cutting and trimming operations to be carried out by operator • access to workplace policies and procedures which cover current Work Health and Safety Acts or Occupation Health and Safety Acts, regulations and related industry standards and codes of practice applicable to trimming and cutting operations and chain saw use • access to workplace policies and procedures which cover off on current Environment Protection Acts, regulations and related industry standards and codes of practice applicable to tree cutting and trimming operations and chain saw use • access to workplace safety and environmental protection plans • access to site emergency procedure • access to workplace standard operating procedures or operator manual for chain saws. <p>Assessors of this unit must satisfy the requirements for assessors in applicable vocational education and training legislation, frameworks and/or standards.</p>

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