

Modification history

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

FWPCOT2XXX	Trim and cut felled trees
Application	<p>This unit describes the skills and knowledge required to trim and cut felled trees with a chainsaw and complete operator maintenance.</p> <p>The unit applies to individuals who trim and cut felled trees as part of arboriculture, forestry, agriculture, conservation and land management, local government, emergency services and other government agency operations. With the exception of minor forest produce, this unit does not apply to commercial harvesting 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 or certification requirements apply to this unit at the time of publication.</p>
Prerequisite Unit	Nil
Unit Sector	Common Technical (COT)

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 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 Identify and report site environmental conditions to supervisor 2.3 Visually assess tree for defects and identify stresses within tree 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 and ensure efficient removal of sections 3.3 Identify options for utilisation of product 3.4 Plan cutting sequence to maintain control of cut sections and minimise cutting problems 3.5 Select cutting positions considering tree stresses 3.6 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 Establish and maintain communication to ensure safety 4.3 Secure tree section on each side of planned cut as required and evaluate and control potential movement 4.4 Operate chainsaw to cut tree and limbs and adjust cutting technique in response to movement and condition of tree and limbs 4.5 Prepare cut sections for removal from site.
5. Complete equipment maintenance	5.1 Follow workplace safety procedures and manufacturer instructions to lock out equipment 5.2 Check chain for bluntness or damage 5.3 Remove, sharpen, adjust and replace chain and other components according to manufacturer recommendations 5.4 Record and report trimming and cutting records, 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 understand 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

Unit Mapping Information			
Code and title current version	Code and title previous version	Comments	Equivalence status
FWPCOT2XXX Trim and cut felled trees	FWPCOT2239 Trim and cut felled trees		

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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TITLE	Assessment requirements for FWPCOT2XXX Trim and cut felled 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 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 cuts • 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"> • environmental protection measures suitable for a worksite where trimming and cutting operations are performed: <ul style="list-style-type: none"> • noise control • protection of flora, fauna and habitat • protection of soil • protection of water • disposal, recycling and reuse of waste • cleaning of plant, equipment and tools • protection of adjacent land uses and fixed assets • vehicle control • access restrictions • fire prevention • protection of cultural heritage • hazard control measures suitable for a worksite where trimming and cutting operations are performed related to: <ul style="list-style-type: none"> • trees and other vegetation • ground conditions • noise • fire and other emergency situations • vehicle and traffic access • foot access • plant, tools and equipment • weather conditions • adjacent land uses • dangerous goods • tree defects and how they affect tree cutting activities: <ul style="list-style-type: none"> • splits • falling damage • fire damage • insect infestation • pipe • shake • twist 	

Knowledge Evidence
<ul style="list-style-type: none"> • knots and resin pockets • the presence of foreign bodies such as stakes and nails • tree stresses and how they affect tree cutting activities <ul style="list-style-type: none"> • tension (fibres being stretched) • compression (fibres being squashed) • neutral fibres • range of chainsaw cutting techniques: <ul style="list-style-type: none"> • bridging cuts • swinging cuts • side bind cuts • boring cuts • 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 and procedures for routine operator maintenance of chainsaws • procedures used to free a pinched or stuck chainsaw • methods for assessing chain condition • workplace 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 tree cutting outcomes, equipment faults and maintenance requirements.

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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