

Modification history

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

FWPCOT2XXX	Maintain chainsaws
Application	<p>This unit of competency describes the knowledge and skills required to maintain fuel or electrically powered hand-held chainsaws. It includes completing routine and frequently required service requirements as well as periodic servicing and chain sharpening.</p> <p>The unit applies to individuals who maintain chainsaws as part of arboriculture, forestry, horticulture, agriculture, conservation and land management, local government, emergency services and other government agency 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 occupational 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 chainsaw maintenance	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, equipment lock-out and safe manual handling techniques 1.3 Identify, assess and take actions to mitigate risks and hazards associated with chainsaw maintenance activities 1.4 Identify workplace environmental protection procedures for minimising and disposing of waste material, recycling and reusing materials and cleaning tools and equipment 1.5 Consult 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 chainsaw maintenance activities according to manufacturer and workplace requirements.

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
2. Complete chainsaw maintenance	2.1 Follow workplace safety procedures and manufacturer instructions to lock out equipment 2.2 Complete routine and frequently required service requirements on chainsaws according to manufacturer instructions and workplace requirements 2.3 Complete periodic service requirements on chainsaws according to manufacturer recommendations and workplace requirements 2.4 Check chain for bluntness or damage 2.5 Remove, sharpen, adjust and replace chain and other components according to manufacturer requirements 2.6 Identify, diagnose, tag and report chainsaw faults, malfunctions or irregular operation for repair or replacement 2.7 Reassemble serviced chainsaw components, check for operational effectiveness, apply lock out tag as required and store
3. Complete maintenance records and clean up	3.1 Clear and clean work area 3.2 Clean, inspect for serviceability and store tools and equipment 3.3 Dispose, recycle or reuse waste materials according to workplace requirements and environmental protection practices 3.4 Complete, process and maintain records and reports according to workplace procedures

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 accurate records of repairs, maintenance activities and equipment faults
Numeracy	<ul style="list-style-type: none"> • Calculate ratios and measure quantities of oils and fuels

Unit Mapping Information			
Code and title current version	Code and title previous version	Comments	Equivalence status
FWPCOT2XXX Maintain chainsaws	FWPCOT2237 Maintain chainsaws		

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 Maintain chainsaws
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"> • completed the routine and frequently required service requirements on one occasion for one chainsaw according to manufacturer instructions • completed the periodic service requirements on one occasion for one chainsaw according to manufacturer instructions • 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"> • types, purpose, features and operation of chainsaws • features and names of different parts of fuel and electrically powered chainsaws • purpose, features and operation of tools and equipment used in chainsaw maintenance activities • specifications and types of bars, chains and sprockets • differences between frequent and periodic chainsaw maintenance requirements • techniques for: <ul style="list-style-type: none"> • removing chains and other chainsaw components • assessing chain condition • sharpening chains to specified requirements • reassembling chainsaw components • assessing battery condition, if applicable, and visually inspecting state of electrical cords and plugs for electrically powered chain saws • hazards associated with maintaining chainsaws and methods to minimise associated risks: <ul style="list-style-type: none"> • noise • fumes • mechanical vibration • hazardous substances • cuts • burns • rotating parts • electric shock for electrically powered chain saws • workplace procedures specific to maintaining chainsaws: <ul style="list-style-type: none"> • workplace health and safety with particular emphasis on equipment lock out and use of personal protective equipment • communication reporting lines • recording and reporting repairs, maintenance activities and equipment faults • environmental protection practices relevant to maintaining chainsaws: <ul style="list-style-type: none"> • cleaning plant, tools and equipment • disposing of, recycling and reusing materials • disposing of hazardous substances. 	

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"> • skills must be demonstrated in a workplace location or an environment that accurately represents workplace conditions • resources, equipment and materials: <ul style="list-style-type: none"> • fuel or electrically powered hand-held chainsaws • tools and equipment used to maintain chainsaws • consumable chainsaw parts, oil and fuel 	

Assessment Conditions	
<ul style="list-style-type: none"> • personal protective equipment required in chainsaw maintenance activities • specifications <ul style="list-style-type: none"> • access to work order or instruction detailing chainsaw maintenance activities 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 chainsaw maintenance activities • 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 chainsaw maintenance activities • access to workplace safety and environmental protection plans • access to site emergency procedure • access to workplace standard operating procedures or operator manual for chainsaws. <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