



Australian Government

FWPCOT2254 Maintain chainsaws

Release: 1

FWPCOT2254 Maintain chainsaws

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 knowledge and skills required to maintain fuel or electrically powered hand-held chainsaws. The unit includes completing routine maintenance service as well as periodic maintenance servicing and chain sharpening.

The unit applies to individuals who maintain chainsaws for or as part of arboriculture, forestry, horticulture, agriculture, conservation and land management, local government, emergency services and other government agency operations.

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.

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

Pre-requisite Unit

Nil

Unit Sector

Common Technical (COT)

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 chainsaw maintenance	1.1 Determine maintenance requirements from work order or instruction and, where required, seek clarification from appropriate personnel 1.2 Confirm safety and environmental requirements for the task

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	according to workplace procedures 1.3 Identify, assess and take actions to mitigate risks and hazards associated with chainsaw maintenance activities 1.4 Plan chainsaw maintenance activities according to manufacturer and workplace requirements 1.5 Consult with team members and other appropriate personnel to ensure that chainsaw maintenance activities are coordinated effectively with others in the workplace 1.6 Obtain tools and equipment needed for the chainsaw maintenance activities, and check for correct operation and safety 1.7 Select, fit and use personal protective equipment
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 according to workplace procedures 3.2 Clean, inspect for serviceability and store tools and equipment 3.3 Dispose of, 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

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 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	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
FWPCOT2254 Maintain chainsaws	FWPCOT2237 Maintain chainsaws	Clarified Application Updated and added new Performance Criteria Added new knowledge items Updated Foundation Skills, Performance Evidence and Assessment Conditions	Equivalent

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 FWPCOT2254 Maintain chainsaws

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Performance Evidence

An individual demonstrating competency must satisfy all of the elements and performance criteria in this unit.

There must be evidence that, on one occasion, the individual has:

- completed the routine and frequently required service requirements for one chainsaw according to manufacturer instructions
- completed the periodic service requirements for one chainsaw according to manufacturer instructions
- checked and sharpened at least two chains 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:

- types, purpose, features and operation of chainsaws
- features and names of different parts of fuel powered 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:
 - 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 chainsaws
- hazards associated with maintaining chainsaws, and methods to minimise associated risks:
 - noise
 - fumes

- mechanical vibration
- hazardous substances
- cuts
- burns
- rotating parts
- electric shock for electrically powered chainsaws
- workplace procedures specific to maintaining chainsaws:
 - 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 repairs, maintenance activities and equipment faults
- environmental protection practices relevant to maintaining chainsaws:
 - cleaning plant, tools and equipment
 - disposing of, recycling and reusing materials
 - disposing of hazardous substances.

Assessment Conditions

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

- physical conditions:
 - skills must be demonstrated in a workplace location or an environment that accurately represents workplace conditions
- resources, equipment and materials:
 - fuel or electrically powered hand-held chainsaws
 - tools and equipment used to maintain chainsaws
 - consumable chainsaw parts, oil and fuel
 - PPE required in chainsaw maintenance activities
- specifications:
 - access to work order or instruction detailing chainsaw maintenance activities to be carried out by operator
 - access to workplace safety and environmental policies and procedures applicable to chainsaw maintenance activities
 - 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

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