



**Australian Government**

# **AHCMOM213 Operate and maintain chainsaws**

**Release: 2**

## AHCMOM213 Operate and maintain chainsaws

### Modification History

Release	Comments
Release 2	This version released with AHC Agriculture, Horticulture and Conservation and Land Management Training Package Version 3.0.
Release 1	This version released with AHC Agriculture, Horticulture and Conservation and Land Management Training Package Version 1.0.

### Application

This unit of competency describes the skills and knowledge required to safely operate a hand-held chainsaw and maintain it in working condition.

This unit applies to cross-cutting fallen timber using safe cutting techniques.

The unit applies to individuals who apply low risk work procedures and comply with worksite health and safety requirements when operating hand-held chainsaws to carry out routine work.

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

### Pre-requisite Unit

Nil

### Unit Sector

Machinery operation and maintenance (MOM)

### 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. Assist in preparation of work-site	1.1 Identify location of worksite and fallen timber from scope of works and confirm with supervisor 1.2 Identify site hazards, assess risks and report to supervisor 1.3 Confirm first aid and emergency personnel, equipment and

<b>Elements</b>	<b>Performance Criteria</b>
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	<p>procedures</p> <p>1.4 Document and implement site health and safety in the workplace, environmental and traffic control measures according to workplace procedures</p>
2. Recognise and apply workplace safety procedures	<p>2.1 Identify hazards and risks relevant to the maintenance and operation of chainsaws and implement safe working practices to manage risks</p> <p>2.2 Select, fit and use personal protective equipment according to workplace safety procedures</p> <p>2.3 Confirm with supervisor relevant licensing and legislative requirements with regard to the operation of chainsaws</p> <p>2.4 Transport chainsaw safely according to operation and maintenance manual</p>
3. Check and prepare chainsaw for use	<p>3.1 Select tools and materials required for maintenance</p> <p>3.2 Conduct routine checks and maintenance prior to operation, according to chainsaw operation and maintenance manual</p> <p>3.3 Calculate required fuel oil ratios prior to mixing</p> <p>3.4 Mix fuel and fuel chainsaw according to operation and maintenance manual</p> <p>3.5 Identify, tag, record and report chainsaw faults or malfunctions to supervisor</p>
4. Operate chainsaw	<p>4.1 Communicate with work team during operations using voice, hand or whistle signals</p> <p>4.2 Place supports to ensure a stable base for cutting</p> <p>4.3 Identify materials to be cut and position them for operation</p> <p>4.4 Visually assess material to be cut for defects and embedded hazards</p> <p>4.5 Determine cutting methods appropriate to material type and implement risk controls</p> <p>4.6 Select and use tools associated with chainsaw use</p> <p>4.7 Operate chainsaw to cross-cut timber using documented low risk work methods</p> <p>4.8 Identify and report work-site communication issues to supervisor</p> <p>4.9 Identify and report environmental impacts of chainsaw operation to</p>

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	supervisor
5. Complete and check chainsaw operation	5.1 Record and report chainsaw damage, malfunction and irregular performance according to workplace procedures 5.2 Clean and store chainsaw according to workplace procedures and operation and maintenance manual 5.3 Dispose of debris from operation in accordance with environmental requirements 5.4 Maintain workplace documentation 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.*

<b>Skill</b>	<b>Description</b>
Reading	<ul style="list-style-type: none"> <li>Interpret textual information from a range of sources to identify relevant and key information about workplace operations</li> </ul>
Writing	<ul style="list-style-type: none"> <li>Document site health and safety in the workplace, environmental and traffic control measures</li> </ul>
Oral communication	<ul style="list-style-type: none"> <li>Use clear language to report hazards and risks and to confirm work site, first aid and emergency personnel, equipment and procedures</li> <li>Participate in verbal exchanges to respond to questions and clarify information</li> </ul>
Numeracy	<ul style="list-style-type: none"> <li>Calculate fuel oil ratios and fuel quantities</li> </ul>
Navigate the world of work	<ul style="list-style-type: none"> <li>Recognise and follow workplace requirements, including safety requirements, associated with own role and area of responsibility</li> </ul>
Interact with others	<ul style="list-style-type: none"> <li>Use verbal and non-verbal communications with work team during operations using voice, hand and whistle signals</li> </ul>

## Range of Conditions

*This section specifies different work environments and conditions that may affect performance. Essential operating conditions that may be present (depending on the work situation, needs of the candidate, accessibility of the item, and local industry and regional contexts) are included.*

Personal protective equipment must include:	<ul style="list-style-type: none"> <li>• safety helmet</li> <li>• mesh visor</li> <li>• gloves</li> <li>• hearing protection</li> <li>• safety glasses or goggles</li> <li>• safety boots.</li> </ul>
Routine checks and maintenance must include at least two of the following:	<ul style="list-style-type: none"> <li>• checking and adjusting bar</li> <li>• cleaning air filter</li> <li>• cleaning and/or replacing spark plug</li> <li>• sharpening chain.</li> </ul>
Supports must include at least one of the following:	<ul style="list-style-type: none"> <li>• fallen timber</li> <li>• saw horse trestle</li> <li>• v-shaped supports.</li> </ul>
Cutting methods must include:	<ul style="list-style-type: none"> <li>• pulling chains cuts (bottom of bar)</li> <li>• pushing chainsaw cuts (top of bar)</li> <li>• bore / plunge cuts (tip of bar).</li> </ul>
Tools must include:	<ul style="list-style-type: none"> <li>• bars</li> <li>• chains</li> <li>• files</li> <li>• plug spanner.</li> </ul>

## Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
AHCMOM213 Operate and maintain chainsaws Release 2	AHCMOM213 Operate and maintain chainsaws Release 1	Minor changes to performance criteria and range of conditions	Equivalent unit

## **Links**

Companion Volumes, including Implementation Guides are available at VETNet -  
<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=c6399549-9c62-4a5e-bf1a-524b2322cf72>