



Australian Government

FWPHAR2206 Operate a mobile chipper/mulcher

Release: 1

FWPHAR2206 Operate a mobile chipper/mulcher

Modification History

Release	Comment
1	Replaces equivalent unit FPIHAR2206B Operate a mobile chipper/mulcher, which was first released with FPI11 Forest and Forest Products Training Package Version 2.2. This is the first release of this unit in the new standards format.

Application

This unit of competency describes the outcomes required to operate a mobile chipping or mulching unit to chip or mulch timber refuse such as branches and other timber waste left after felling operations. Work is completed in a forest or forest farm setting.

The unit applies to those who operate a mobile chipping or mulching unit in a forest environment.

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

Pre-requisite Unit

Nil

Unit Sector

Harvesting and Haulage

Elements and Performance Criteria

<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element. Where bold italicised text is used, further information is detailed in the range of conditions.</i>
1. Prepare for mobile chipping or mulching.	1.1 Review work order and where required check with appropriate personnel. 1.2 Select appropriate personal protective and other equipment and check for operational effectiveness. 1.3 Identify type and quantity of timber refuse to be chipped or mulched.

	1.4 Plan chipping or mulching activities in line with work order.
2. Chip or mulch timber refuse	2.1 Reject timber refuse assessed as unsuitable for chipping or mulching and dispose of or recycle in line with environmental protection practices. 2.2 Use equipment in line with organisational safety procedures, manufacturer's instructions and environmental protection requirements. 2.3 Position, secure and set up chipping and mulching unit in line with manufacturer's specifications and required size. 2.4 Direct timber refuse into chipper or mulcher at rate applicable to machine capacity. 2.5 Chip timber refuse to chip sizes specified in work order. 2.6 Respond to critical situations requiring emergency shutdown to prevent personal injury or damage to machine or product.
3. Complete operator maintenance.	3.1 Follow organisational safety procedures to lock out equipment. 3.2 Check cutters for wear and damage at appropriate or recommended intervals. 3.3 Remove, replace and dispose of cutters in line with manufacturer's recommendations, site procedures and environmental protection practices. 3.4 Complete operator maintenance tasks in line with manufacturer's recommendations and site procedures. 3.5 Record and report production outcomes and equipment faults to appropriate personnel.

Foundation Skills

This section describes those core and employment skills that are essential to performance and are not explicit in the performance criteria.

Numeracy skills to:	- identify quantities of required material within work orders - read basic numerical machine settings and choose according to chip size - complete routine production records involving quantities tallied against orders.
Oral communication skills to:	ask questions and actively listen to clarify contents of work orders.
Reading skills to:	interpret workplace health and safety and other organisational

	procedures • work orders • manufacturers' instructions and maintenance recommendations.
Writing skills to:	• complete accurate basic records for production outcomes and equipment faults.
Planning and organising skills to:	• efficiently and logically sequence the stages of preparation and processing activities using work order to guide activities.

Range of Conditions

Not Applicable

Unit Mapping Information

FPIHAR2206B Operate a mobile chipper/mulcher

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=0d96fe23-5747-4c01-9d6f-3509ff8d3d47>

Assessment Requirements for FWPHAR2206 Operate a mobile chipper/mulcher

Modification History

Release	Comment
1	Replaces equivalent unit FPIHAR2206B Operate a mobile chipper/mulcher, which was first released with FPI11 Forest and Forest Products Training Package Version 2.2. This is the first release of this unit in the new standards format. Assessment requirements now specify the performance and knowledge evidence, as well as assessment conditions for this unit of competency. These sections simplify and replace components used in the previous unit format, including Required Skills and Knowledge, Evidence Guide and Range Statement.

Performance Evidence

A person demonstrating competency in this unit must satisfy all of the elements, performance criteria and foundation skills of this unit. If a specific volume or frequency is not stated below, then evidence must be provided that the following requirements have been performed on at least one occasion:

- complete chipping and mulching jobs in line with individual work orders which prescribe different quantities of timber refuse and different chip sizes
- complete operator maintenance, including fuelling, safety checks, cleaning, lubricating, operational adjustments, cutter inspection, removal, disposal and replacement to manufacturer recommendations and site procedures.
-

Knowledge Evidence

A person competent in this unit must be able to demonstrate knowledge of:

- environmental protection practices for forest and forest farm settings:
 - reducing water and energy use
 - cleaning plant, tools and equipment
 - disposing of, recycling and reusing timber
- types of timber refuse suitable and unsuitable for chipping and mulching
- purpose, features and operation of mobile chipping and mulching units
- capacity of chippers and mulchers to cope with differing sizes and diameters of branch
- feed rates at which waste is fed into chippers and mulchers to optimise output without damaging or blocking machinery
- methods for checking cutting blade condition

- operator maintenance procedures including for fuelling, safety checks, cleaning, lubricating, operational adjustments, cutter inspection, removal, disposal and replacement
- common hazards associated with chipping and mulching operations and methods to minimise associated risks
- organisational procedures specific to chipping and mulching timber refuse:
 - workplace health and safety with particular emphasis on equipment lock out and use of personal protective equipment
 - communication reporting lines
 - recording and reporting production outcomes and equipment faults.
-

Assessment Conditions

The following resources must be made available:

- mobile chipping and mulching units feeding into a truck or other form of transportation:
 - truck mounted
 - trailer mounted
- tools and consumables for operator maintenance
- tools and equipment for removing and replacing cutters
- consumable cutters
- personal protective equipment suitable for chipping and mulching timber refuse
- timber refuse for processing
- manufacturers':
 - instructions for equipment use
 - recommendations for operator maintenance
- work order with specific instructions for chipping or mulching timber refuse
- template documents for recording production outcomes and equipment faults
- relevant personnel for the purposes of communicating information
- organisational procedures for chipping and mulching timber refuse.

Competency is to be assessed in the workplace or a simulated environment that accurately reflects performance in a real workplace setting.

Assessor requirements

Assessors must:

- hold the appropriate assessor competency standards as outlined in regulations; and
- be able to demonstrate vocational competencies at least to the level being assessed; and
- be able to demonstrate how they are continuing to develop their VET knowledge and skills as well as maintaining their industry currency and assessor competence
-

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=0d96fe23-5747-4c01-9d6f-3509ff8d3d47>