



Australian Government

FWPSIL3003 Use mechanised equipment for forestry site preparation

Release: 1

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Modification History

Release	Comments
Release 1	This version released with FWP Forest and Wood Products Training Package Version 7.0.

Application

This unit of competency describes the skills and knowledge required to perform forestry site preparation activities using mechanised equipment.

Individuals seeking to undertake this unit should have prior experience or competency in *operating a bulldozer, excavator, skidder or tractor*.

The unit applies to individuals who use forestry machines for forestry site preparation 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

Silviculture (SIL)

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 site preparation activities	1.1 Determine job requirements from work order or instruction, and where required seek clarification from 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>
	<p>1.2 Confirm safety and environmental protection requirements, including use of personal protective equipment, for the task according to workplace procedures</p> <p>1.3 Identify, assess and take actions to mitigate risks and hazards associated with using mechanised equipment for forestry site preparation</p> <p>1.4 Identify emergency plan procedures</p> <p>1.5 Identify location of site preparation task and plan site preparation activities according to work order or instruction</p> <p>1.6 Consult with appropriate personnel to ensure that work is coordinated effectively with others in the workplace</p> <p>1.7 Select and check the serviceability of mechanised equipment and ground-engaging attachments required for site preparation task</p> <p>1.8 Check positioning of warning signs and operation of vehicle-to-vehicle communication systems to maintain communication and workplace safety during forestry site preparation operations</p>
2. Prepare forestry site using mechanised equipment	<p>2.1 Carry out pre-start and start-up machine checks according to manufacturer instructions and workplace procedures</p> <p>2.2 Identify machine faults or defects and rectify or report within scope of own responsibility according to workplace procedures</p> <p>2.3 Drive, control and manoeuvre machine with ground-engaging attachments, to perform site preparation activities according to equipment capabilities, site characteristics and work order or instructions</p> <p>2.4 Engage and disengage attachment according to manufacturer instructions and workplace procedures</p> <p>2.5 Identify, remove or manage contaminants according to workplace procedures</p> <p>2.6 Monitor and manage machine performance using appropriate indicators to ensure efficiency of operations</p> <p>2.7 Carry out and monitor site preparation activities to ensure compliance with work order and environment protection requirements</p> <p>2.8 Monitor hazards and risks during operations and ensure safety of self, other personnel, plant and equipment</p> <p>2.9 Park, shut down, secure and carry out post-operational inspection of machine according to workplace procedures</p>

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	2.10 Complete report on site preparation activities and forward to appropriate personnel
3. Carry out operator maintenance	3.1 Lock out machine according to workplace safety and manufacturer requirements 3.2 Access tools and service equipment required for performing routine maintenance according to manufacturer instructions 3.3 Check machine and ground-engaging attachments for wear and damage and perform operator maintenance tasks according to manufacturer recommendations and workplace procedures 3.4 Complete maintenance records according to manufacturer and workplace requirements.

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	<ul style="list-style-type: none"> Interpret workplace documentation to determine work requirements
Writing	<ul style="list-style-type: none"> Use technical and enterprise specific vocabulary to accurately and legibly complete workplace records and forms
Oral communication	<ul style="list-style-type: none"> Ask questions to clarify contents of production plans
Numeracy	<ul style="list-style-type: none"> Interpret numerical and graphical information shown on screens, displays and gauges

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
FWPSIL3003 Use mechanised	FWPHAR3233 Use mechanised	New title Minor edits to	Not equivalent

equipment for forestry site preparation	equipment for forestry site preparation on steep slope	Performance Criteria New Performance Evidence and added item in Knowledge Evidence	
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Links

Companion Volumes, including Implementation Guides, are available at VETNet: - <https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=0d96fe23-5747-4c01-9d6f-3509ff8d3d47>