



**Australian Government**

# **FWPSIL4009 Plan for and coordinate tending operations in a native forest or plantation**

**Release: 1**

# FWPSIL4009 Plan for and coordinate tending operations in a native forest or plantation

## 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 plan for and implement tending operations within a forested area, which may be a managed native forest or plantation.

The unit applies to individuals responsible for coordinating the implementation of tending operations in either managed native forests or plantations.

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. Plan tending operation                        | 1.1 Review plan for forested area and confirm objectives of tending operations<br>1.2 Identify environmental protection requirements for the forested |

| 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>area</p> <p>1.3 Identify, assess and take actions to mitigate risks and hazards associated with tending operations</p> <p>1.4 Review workplace health and safety procedures, including the use of personal protective equipment, chemical safety and safe use of tools and equipment</p> <p>1.5 Review tending and associated operational requirements for the forested area</p> <p>1.6 Consult with stakeholders about tending requirements for the forested area</p> <p>1.7 Document a tending plan, including specifications, quality, hazard analysis and performance targets and obtain approvals for implementation according to workplace procedures</p> |
| 2. Implement tending plan                        | <p>2.1 Obtain resources required to implement the tending plan</p> <p>2.2 Implement emergency treatments and hazard notification procedures</p> <p>2.3 Organise site schedule with technical operators</p> <p>2.4 Operationalise tending plan with reference to budget, schedule, performance indicators and objectives</p>                                                                                                                                                                                                                                                                                                                                        |
| 3. Monitor tending operations                    | <p>3.1 Obtain data about performance at key milestones or established review periods</p> <p>3.2 Check that environmental, workplace health and safety and legislative compliance requirements are met and that documentation is accurate and up-to-date</p> <p>3.3 Maintain communication with operations supervisor throughout implementation of the plan</p> <p>3.4 Amend tending operation plan to ensure that specifications, quality and performance targets are met</p>                                                                                                                                                                                      |
| 4. Review tending operation                      | <p>4.1 Review outcomes against established objectives</p> <p>4.2 Determine operational improvements for the future and formulate recommendations</p> <p>4.3 Record and report on tending operations to appropriate personnel</p>                                                                                                                                                                                                                                                                                                                                                                                                                                   |

## 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"> <li>Extract information from industry guides and standard references</li> </ul>                                                                                                                                         |
| Writing            | <ul style="list-style-type: none"> <li>Complete workplace forms</li> <li>Annotate site plans</li> </ul>                                                                                                                                                    |
| Oral communication | <ul style="list-style-type: none"> <li>Ask open and closed questions and use active listening techniques to clarify contents of work orders</li> <li>Use interactive verbal and non-verbal communication to direct the activities of work crews</li> </ul> |
| Numeracy           | <ul style="list-style-type: none"> <li>Collect, collate and interpret basic statistics on quality and performance indicators related to tending operations</li> </ul>                                                                                      |

## Unit Mapping Information

| Code and title current version                                                         | Code and title previous version                         | Comments                                                                                                                                                    | Equivalence status |
|----------------------------------------------------------------------------------------|---------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|
| FWPSIL4009 Plan for and coordinate tending operations in a native forest or plantation | FWPFGM5210 Manage tending operations in a native forest | Redesigned unit that includes content from FWPFGM5210 Manage tending operations in a native forest, and FWPFGM5213 Coordinate plantation tending operations | Not equivalent     |
| FWPSIL4009 Plan for and coordinate tending operations in a native forest or plantation | FWPFGM5213 Coordinate plantation tending operations     | Redesigned unit that includes content from FWPFGM5210 Manage tending operations in a native forest, and FWPFGM5213 Coordinate plantation tending operations | Not 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 FWPSIL4009 Plan for and coordinate tending operations in a native forest or plantation

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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 the individual has planned, coordinated monitored and reported on one tending operation in one of the following types of forested area:

- native forest
- plantation.

In undertaking this activity, the individual has:

- reviewed forest plan and objectives of tending operations
- confirmed environmental protection and workplace health and safety requirements for the tending operation
- consulted with stakeholders and prepared a tending plan that addresses quality and performance targets
- operationalised, monitored and reported on the tending operation according to workplace procedures.

### 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:

- environmental protection requirements, including:
  - soil disturbance measures
  - retention tree damage
  - fungal hygiene measures
  - identification of habitat trees
  - chemical handling and application procedures
- workplace policies and procedures for managing tending operations that relate to:
  - health and safety

- organisational, legislative and environmental regulations, procedures, practices and precautions
- adherence to site environmental imperatives
- specifications
- quality
- performance targets
- tending operations, including the following aspects:
  - the health of the stand
  - productivity and long term sustainability
  - end product mix requirements
  - the management of notifiable weeds
- impact of tending operations on forest productivity
- authorisations relevant to tending operations:
  - permits
  - approvals
  - licensing
- biology of relevant forest health problems
- tree growth and development
- weed species and herbicide interactions
- hydrology and hydrological principles
- plant identification and plant classification
- ecology and ecological interactions
- soil types and structure
- hazards related to managing tending operations:
  - use of chemicals
  - off-site effects
  - tools and equipment
  - dangers to the public
- procedures for recording and reporting workplace information.

## 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 forest work environment or an environment that accurately represents workplace conditions
- resources, equipment and materials:
  - a forested area for tending operation
  - computing equipment for documenting plans and reports on tending operations
- specifications:

- maps, plans and data required for preparation of tending plan
- workplace safety and environmental policies and procedures applicable to tending operations.

Assessors of this unit must satisfy the requirements for assessors in applicable vocational education and training legislation, frameworks and/or standards.

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