



Australian Government

FWPSIL4004 Plan for and coordinate forest establishment operations

Release: 1

FWPSIL4004 Plan for and coordinate forest establishment operations

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 and coordinate forestry operations for establishing or re-establishing a section of native forest or plantation, either in a monoculture or multiple-use environment.

The unit applies to individuals involved in planning and supervising forest establishment 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 implementation of forest establishment operations	1.1 Review forest establishment plan 1.2 Confirm local authority coverage, forest boundaries and forest design plan

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	1.3 Confirm forest location and access for personnel and equipment 1.4 Check land use zoning and planning permits for approval status 1.5 Confirm procedures and environmental considerations for preparation of roads, landings, dumps and snig tracks 1.6 Check site environmental protection measures
2. Coordinate forest establishment operations	2.1 Confirm forest establishment method 2.2 Confirm type and availability of species for establishment and planting strategies 2.3 Review site characteristics and how they will impact forest establishment including planting near waterways 2.4 Schedule personnel, activities, materials and equipment 2.5 Direct personnel undertaking establishment activities according to establishment plan 2.6 Ensure personnel engaged in establishment activities comply with safety, environmental, legislative and workplace requirements 2.7 Coordinate implementation of forest establishment plan, including planting strategy
3. Monitor and review forest establishment operations	3.1 Inspect implementation of environmental protection measures for the landscape, soil and drainage 3.2 Communicate with operational staff, clients and contractors during the establishment phase to ensure smooth operation and progress 3.3 Monitor operational activities for potential improvements 3.4 Record and report on implementation of forest establishment operations according to 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	Interpret familiar and detailed organisational policies and

Skill	Description
	procedures and complex documents such as forest establishment plans
Writing	Produce detailed reports on the outcomes of forest establishment activities
Oral communication	Ask open and closed questions and use active listening techniques to gather information related to forest establishment activities
Numeracy	Use mathematical skills to estimate and calculate area, perimeter, slope, quantities and time required to complete tasks

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
FWPSIL4004 Plan for and coordinate forest establishment operations	FWPFGM4201 Implement a forest establishment plan	New title Revised Elements and Performance Criteria New description provided for Foundation Skills Revised Performance Evidence and Knowledge Evidence Revised Assessment Conditions in line with requirements of Standards for Training Packages	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 FWPSIL4004 Plan for and coordinate forest establishment operations

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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 and coordinated forestry operations for establishing or re-establishing one section of a native forest or plantation in one of the following environments:

- monoculture environment
- multiple-use environment.

In undertaking this activity, the individual has:

- reviewed the forest establishment plan, and confirmed the method of forest establishment, planting strategy and personnel, equipment and materials requirements
- coordinated and scheduled the implementation of forest establishment activities
- identified ways of improving future forest establishment or re-establishment operations
- • ensured personnel engaged in establishment activities complied with establishment plan, safety, environmental, legislative and workplace requirements
- reviewed and reported on the outcomes of forest establishment operations.

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 for the establishment of a forest, including the following:
 - ground growth
 - canopy
 - general forest lean
 - wind speed and direction
 - fallen trees
 - density of trees

- ground slope
- soil and water protection
- ground hazards
- obstacles
- drainage
- workplace policies and procedures for implementing a forest establishment plan
- forest establishment and planning procedures, including:
 - forest design and map details
 - site preparation
 - access considerations
- planting for forest or streamside:
 - buffers
 - filter strips
 - contours
 - gullies
 - crossing points
- environmental considerations for protection of:
 - habitat
 - rainforest
 - flora and fauna
 - landscape
 - excluded areas
 - rubbish removal
- procedures and environmental considerations for preparation of:
 - permanent roads
 - temporary roads
 - landings
 - dumps
 - snig tracks
 - forwarding tracks
 - adjoining land
 - wet weather restrictions
 - fire protection requirements
- forest design and planting strategies
- regeneration principles and methods
- topography, including:
 - terrain levels
 - soil types
 - contours
 - elevations

- slopes
- gullies
- adjoining land parcels
- land use zoning and relevant approvals and permits, including:
 - private zoning
 - government zoning
- resources, tools and equipment used for the implementation of a forest plan, and procedures for their safe use and maintenance.

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 forest establishment plan
 - a section of native forest or plantation that may be either a monoculture or multiple-use environment
- specifications:
 - workplace safety and environmental policies and procedures applicable to forestry operations
 - workplace policies and procedures relevant to forest establishment activities.

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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