



Australian Government

FWPFGM4201 Implement a forest establishment plan

Release: 1

FWPFGM4201 Implement a forest establishment plan

Modification History

Release	Comment
1	Replaces equivalent unit FPIFGM4201B Implement a forest establishment plan, 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 establish or re-establish a section of native forest or plantation, either in a monoculture or multiple-use environment.

The unit applies to job roles including Arboriculture Supervisor, Farm Forestry Supervisor, Forestry Supervisor, Forestry Operations Supervisor, Harvesting Supervisor, Harvesting Team Leader, Propagation and Stand Health Supervisor and Tree Farm Supervisor.

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

Pre-requisite Unit

Nil

Unit Sector

Forest Growing and Management

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 implementation of forest establishment plan	1.1 Review local authority coverage, land owning boundaries, and forest design plan. 1.2 Identify forest location including map and grid references. 1.3 Check land use zoning and planning permits for approval

	status. 1.4 Check site environmental protection measures.
2. Implement forest establishment plan	2.1 Select method of establishment to meet requirements of the forest type, and environmental and organisational guidelines. 2.2 Select forest type and available species for establishment. 2.3 Identify topography and how this will impact forest. 2.4 Direct operational activities and schedule activities, material and equipment. 2.5 Coordinate forest design and planting strategy to establish the forest
3. Monitor and review forest establishment plan	3.1 Inspect correct implementations 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 plan.

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:	calculate required numbers of trees
Oral communication skills to:	- direct the work of others - explain the forest plan
Reading skills to:	- interpret information from council, contractors and other stakeholders - interpret plans and maps

Range of Conditions

Not Applicable

Unit Mapping Information

FPIFGM4201B

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 FWPFGM4201 Implement a forest establishment plan

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1	Replaces equivalent unit FPIFGM4201B Implement a forest establishment plan, 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:

- follow organisational policies and procedures relating to the implementation of a forest establishment plan
- obtain and interpret topographical maps, information from local government and information about environmental requirements for forests
- prepare, implement and review a forest establishment plan that includes:
 - forest layout
 - protected areas
 - access
 - harvesting considerations
 - environmental sustainability issues
 - minimising environmental impact
- coordinate personnel to undertake activities to meet established timelines
- produce a report on the outcomes of the implementation of a forest plan that includes:
 - difficulties
 - costs
 - data analysis
 - efficiency and effectiveness
 - results
 - recommendations for future work

Knowledge Evidence

A person competent in this unit must be able to demonstrate 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
- organisational policies and procedures for implementing a forest establishment plan
- how wood generates renewable energy through biomass
- 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, including protection of:
 - habitat
 - rainforest
 - flora and fauna
 - landscape
 - excluded areas
 - rubbish removal
- and 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
- appropriate mathematical procedures for estimating and measuring, including calculating time to complete tasks.

Assessment Conditions

The following resources must be made available:

- forest plan
- information required to support the implementation of a forest plan
- relevant personnel for the purposes of communicating information.

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

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