



Australian Government

FWPFOM5001 Contribute to and implement a forest establishment plan

Release: 1

FWPFOM5001 Contribute to and implement a forest establishment plan

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 contribute to and implement a forest establishment plan. The unit also applies to an area that is to be used for multiple uses, such as farm forestry.

The unit applies to individuals who contribute to the development and implementation of forest establishment plans.

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

Forest Operations Management (FOM)

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 developing forest establishment plan	1.1 Confirm location and regulatory requirements impacting on plantation site and conduct site assessment according to workplace procedures and the principles of good forest establishment planning

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	1.2 Review site factors impacting on forest establishment planning 1.3 Review regulatory requirements, existing land use and other plans to assess impact on proposed plantation 1.4 Confirm location of cultural, archaeological, historic, recreational, scenic, geomorphic or biological sites within the plantation area that may be affected by plantation operations 1.5 Consult with neighbouring landowners, local land care groups, Indigenous communities and stakeholders, and obtain input into the design for the site 1.6 Review organisational plans and strategies and how they relate to plantation requirements 1.7 Develop measurable performance indicators, specifications and targets for the plantation 1.8 Report outcomes of initial analysis to appropriate personnel, and confirm further actions
2. Support development of forest establishment plan	2.1 Arrange surveys and determine species tolerances for the site 2.2 Develop design components and obtain approvals 2.3 Liaise and seek support from senior personnel during preparation of draft forest establishment plan, as required 2.4 Produce draft forest establishment plan according to workplace procedures and regulatory requirements 2.5 Communicate design plan and performance indicators to appropriate personnel and confirm further actions
3. Coordinate implementation of forest establishment plan	3.1 Confirm contractual arrangements with contractors for implementation of forest establishment plan 3.2 Monitor ongoing implementation of forest establishment operations against establishment plan 3.3 Monitor contractor compliance with production, environmental protection and other contractual requirements 3.4 Identify and resolve contractor non-compliances within scope of responsibility and workplace procedures 3.5 Report on implementation of forest establishment plan to appropriate personnel
4. Review	4.1 Gather and assess information on implementation of forest

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
implementation of forest establishment plan	establishment plan according to workplace procedures 4.2 Consult with contractors, senior personnel and other stakeholders on potential improvements to forest establishment plan 4.3 Report on review of forest establishment plan, including suggestions for future improvements to planning and implementation of forest establishment operations, to appropriate personnel

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 written regulatory and environmental information affecting forest establishment plans
Writing	Prepare complex written documents, including detailed approval applications for forest establishment plans
Oral communication	Use verbal and non-verbal communication and active listening skills to communicate with contractors and resolve issues associated with the implementation of forest establishment plans
Numeracy	Perform calculations and conversions of area, volume, cost, scale and production related to forest establishment plans

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
FWPFOM5001 Contribute to and implement a forest establishment plan	FWPFGM4203 Design plantations	Revised title Revised Elements and Performance Criteria Revised Foundation Skills Revised Performance Evidence and Knowledge	Not equivalent

		Evidence Revised Conditions of Assessment	
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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>

Assessment Requirements for FWPFOM5001 Contribute to and implement a forest establishment plan

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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, under the supervision of a senior forester, the individual has contributed to the development of one forest establishment plan.

In undertaking this activity, the individual has:

- confirmed requirements pertinent to forest establishment planning
- conducted site assessment obtaining information from relevant sources to include in the plan
- established performance indicators
- designed at least one of the following components:
 - roads
 - fences
 - drainage channels
 - forest area boundaries
- confirmed contractual requirements for the forest establishment operations, monitored contractor compliance in relation to at least one of the following:
 - production
 - environmental protection
- presented recommendations for future improvements to planning and implementation 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:

- commonwealth, state or territory or local government legislative and regulatory requirements and codes of practice relevant to designing plantations
- relevant species characteristics and selection information, including:

- appropriate species
- provenance
- distribution and hardiness of trees to be sown or planted to suit the area to be planted
- factors relevant to a site assessment:
 - soil types
 - site rainfall characteristics
 - understory species
 - canopy
 - general forest lean
 - wind speed and direction
 - fallen trees
 - retained vegetation
 - density of trees
 - ground slope
 - soil and water protection
 - ground hazards and obstacles
 - contingencies for modifying operations during wet or other adverse weather conditions
 - hygiene of the area
 - relevant commonwealth, state or territory, and local legislation and regulations
- design components, including:
 - roads
 - fences
 - drainage channels
 - forest area boundaries
- site factors to consider in forest establishment planning:
 - areas visible from critical observer points, such as lookouts, nearby towns and major highways
 - modification of visible edges with retention of existing vegetation or planting of other species
 - age class boundaries and timing of establishment to minimise the visual and environmental impact of site preparation and harvesting and the risk of loss due to natural disasters
 - opportunities to enhance connective values of existing native vegetation
 - the presence of important cultural, archaeological, historic, recreational, scenic, geomorphic or biological sites within the plantation area that may be affected by plantation operations, and measures that could be taken to protect these sites
 - intensity, location and design of roads
 - consultation with Indigenous communities, neighbouring landholders and local landcare groups
- environmental protection requirements relevant to plantation design
- workplace policies and procedures for designing plantations:

- tending plans
- harvesting plans
- workplace marketing and strategic plans
- plans or regulations relating to chemical use and environmental requirements
- environmental risks and hazards in the area of the proposed site
- common diseases, pests and nutritional deficiencies that affect plantations
- the principles of good forest establishment planning.

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:
 - computing hardware and software for documenting forest establishment plans
- specifications:
 - reference materials, including topographic maps, information on land use zonings and application forms, template forest establishment plans
 - requirements for a forest establishment plan
 - workplace safety and environmental policies and procedures applicable to forestry operations.

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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