



Australian Government

FWPFOM5004 Contribute to and implement a forest regeneration plan

Release: 1

FWPFOM5004 Contribute to and implement a forest regeneration 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 the planning and implementation of the regeneration or revegetation of an area of forest for timber production.

The unit applies to individuals who are involved in planning and implementing the regeneration or revegetation of forested areas for timber production.

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 regeneration plan	1.1 Identify requirements for a forest regeneration plan 1.2 Review workplace procedures, environmental protection measures and legislative and regulatory requirements related to regenerating or

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	revegetating forested areas for timber production 1.3 Confirm site, timeline, budget and method of regeneration 1.4 Consult with workplace personnel and other stakeholders to obtain input to the plan 1.5 Seek necessary approvals and obtain permissions according to workplace procedures 1.6 Liaise and seek support from senior personnel during preparation of plan, as required 1.7 Produce draft plan according to workplace procedures 1.8 Forward draft plan to appropriate personnel and confirm further actions
2. Coordinate implementation of regeneration plan	2.1 Confirm availability of resources to implement planned regeneration or revegetation activities 2.2 Implement emergency treatments and hazard notification procedures 2.3 Communicate plan to contractor or work team as appropriate 2.4 Coordinate implementation of forest regeneration plan with reference to budget, schedule, performance indicators and objectives 2.5 Report on implementation of regeneration plan to appropriate personnel
3. Monitor forest regeneration	3.1 Gather and assess information on performance at key milestones or established review periods 3.2 Check that environmental, workplace health and safety and legislative compliance requirements are met and that documentation is accurate and up-to-date 3.3 Maintain communication with senior forester and operations supervisor throughout implementation of the plan 3.4 Make suggestions for amending forest regeneration plan to ensure that specifications, quality and performance targets are meeting planned requirements 3.5 Report on outcomes of monitoring activities to appropriate personnel
4. Review forest regeneration plan	4.1 Review outcomes against established objectives 4.2 Consult with contractors, senior personnel and other stakeholders

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	on potential improvements to regeneration plan 4.3 Forward report on review of regeneration plan, including suggestions for future improvements to planning and implementation of regeneration and revegetation 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 regeneration or revegetation operations
Writing	Prepare complex written documents, including detailed approval applications for regeneration or revegetation operations
Oral communication	Use verbal and non-verbal communication and active listening skills to communicate with operational staff and resolve issues associated with implementation of harvest plans
Numeracy	- Perform routine calculations involving number, volume, weight, density and area - Perform calculations involving gross and nett spatial areas, volumes of extraction and weight for cartage

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
FWPFOM5004 Contribute to and implement a forest regeneration plan	FWPFGM5214 Develop a native forest regeneration plan	Revised title New Elements and Performance Criteria Revised Performance Evidence and Knowledge Evidence	Not equivalent

		Revised Assessment Conditions	
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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 FWPFOM5004 Contribute to and implement a forest regeneration 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 developed one forest regeneration plan and overseen forest regeneration operations.

In undertaking this activity, the individual has:

- confirmed requirements pertinent to forest regeneration planning
- obtained information from relevant sources to include in the plan
- consulted with appropriate personnel on draft forest regeneration plan
- coordinated and monitored forest regeneration operations against budget, schedule, performance indicators and objectives
- prepared recommendations for future improvements to planning and implementation of forest regeneration 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 legislation, regulations, standards, codes of practice for forests
- workplace policies and procedures on forest regeneration
- environmental protection requirements for forests, including:
 - soil disturbance measures
 - retention tree damage
 - fungal hygiene measures
 - identification of habitat trees
 - chemical handling and application procedures
- authorisations and permits relevant to forest regeneration plans:
 - permits

- approvals
- licences relating to neighbouring properties
- methods of regeneration, including:
 - prescription burning
 - infill planting to support directional natural regeneration
 - pathways
 - direct seeding
 - crop tree retention
- stakeholders relevant to forest regeneration plans, including:
 - clients
 - neighbours
 - relevant groups/bodies
 - local, state and federal government bodies and agencies
 - local interest/lobby groups
 - friends' groups
 - representatives of industry bodies
- principles of forest science relevant to regeneration and revegetation:
 - biology of the target species
 - hydrology and hydrological principles
 - original and potential ecosystems for the target area
 - common diseases, pests and nutritional deficiencies
 - soil types and structure
 - plant identification and classification
 - ecology and ecological interactions
 - seed collecting and distribution seasons for the target species
- procedures for recording 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:
 - forest area for developing a forest regeneration plan
 - computing hardware and software for documenting forest regeneration plans
- specifications:
 - reference materials, including topographic maps, information on land use zonings and application forms, template forest regeneration plans

- workplace standards, policies and procedures for the development and implementation of forest regeneration plans
- access to commonwealth, state, territory or local government regulations and codes of practice relevant to forest regeneration
- workplace safety and environmental policies and procedures applicable to forest regeneration 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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