



Australian Government

FWPFGM3206 Plan and implement non-commercial thinning operations

Release: 1

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Modification History

Release	Comment
1	Replaces equivalent unit FPIFGM3206B Plan and implement non-commercial thinning operations, which was first released with FPI11 Forest and Forest Products Training Package Version 1. This is the first release of this unit in the new standards format.

Application

This unit of competency describes the outcomes required to control non-commercially thin species growing on site, to maintain the health of the stand, improve productivity and long-term sustainability, and ensure maximum growth vigour to optimise product outcome. It includes treatment with chemicals and the use of mechanical equipment.

The unit applies to a variety of work settings, including: forest environments, farms, agriculture operations, nurseries and local councils.

The unit applies to Forestry technician, Nursery technician, Supervisor (Forestry operations), Tree planter, Silviculturist, Arboriculture technician.

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. Plan thinning	1.1 Review and assess relevant plans and site information for thinning

operations	operations. 1.2 Identify sample area and measure growth. 1.3 Plan level of overwood treatment accounting for habitat or seed tree considerations. 1.4 Plan thinning operation methods in line with budget and resources and confirm with appropriate personnel. 1.5 Seek and obtain necessary approvals.
2. Implement thinning operations	2.1 Obtain and coordinate required resources and equipment and authorisations in line with organisational requirements. 2.2 Organise schedule for operations with appropriate personnel. 2.3 Mark trees for treatment in line with plan and organisational procedures 2.4 Establish and maintain communication with others to coordinate work and keep work site safe. 2.5 Coordinate thinning operations in line with plans, budget, OHS, environmental and legislative requirements. 2.6 Monitor and adjust operations in line with site conditions to ensure effective and efficient work and minimal damage to stand.
3. Review thinning operations	3.1 Review operation against relevant plan and organisational and environmental requirements. 3.2 Analyse information to determine effectiveness of thinning operations and possible improvements to future operations. 3.3 Prepare recommendations for future operations, based on assessment of information collected. 3.4 Record and report operation activities and results to the appropriate personnel.

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:	- determine forest growth in terms of number of trees per hectare, height, girth - review and analyse information to determine cost effectiveness of operations.
Planning and organising skills	- identify work requirements in line with site conditions - analyse data and requirements to plan efficient

to:	operations.
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Range of Conditions

Not Applicable

Unit Mapping Information

FPIFGM3206B Plan and implement non-commercial thinning operations.

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 FWPFGM3206 Plan and implement non-commercial thinning operations

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Release	Comment
1	Replaces equivalent unit FPIFGM3206B Plan and implement non-commercial thinning operations, which was first released with FPI11 Forest and Forest Products Training Package Version 1. 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:

- plan a non-commercial thinning operation to achieve one or more of the following:
 - work to maintain the health of the stand
 - improve productivity and long-term sustainability
 - provide for end product mix requirements
 - manage notifiable weeds.
- and that includes:
 - identified and measured areas to be thinned
- use mechanical and chemical methods to thin forest growth effectively
- monitor non-commercial thinning operations to ensure safe and efficient work practice and minimal damage to stand
- review operations and use findings to document improvements to future operations.

Knowledge Evidence

A person competent in this unit must be able to demonstrate knowledge of:

- workplace procedures and site standards for planning and implementing non-commercial thinning operations
- environmental protection requirements relevant to planning and implementing non-commercial thinning operations

- methods and products used for thinning operations including one or more of the following:
 - felling
 - poisoning
 - sapringing
 - ringbarking
- processes for managing risks and hazards associated with thinning operations
- relevant biology and stand dynamics for the species
- common diseases, pests and nutritional deficiencies for the species being thinned
- common weed and herbicide interactions
- tools and equipment used for non-commercial thinning operations, and procedures for their safe use and maintenance
- authorisations and approvals processes including:
 - permits
 - approvals
 - licenses relating to neighbouring sites or properties
 - hours of operation
 - use and application of chemicals.
- procedures for recording and reporting workplace information.

Assessment Conditions

The following resources must be made available:

- mechanical equipment for thinning operations
- chemicals for thinning operations
- site with growth to be non-commercially thinned
- relevant personnel for the purposes of communicating information
- workplace requirements and site standards for planning and conducting non-commercial thinning operations.

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.

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