

Modification history

Release	Comments
Release 1	This version released with FWP Forest and Wood Products Training Package Version 7.0.

FWPFGM4XXX	Plan for and coordinate thinning operations in a native forest or plantation
Application	<p>This unit of competency describes the skills and knowledge required to plan, coordinate and monitor the implementation of thinning operations in a native forest or plantation.</p> <p>The unit applies to individuals whose work involves planning and coordinating the implementation of thinning operations in a native forest or plantation.</p> <p>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.</p> <p>No licensing, legislative or certification requirements apply to this unit at the time of publication.</p>
Prerequisite Unit	Nil
Unit Sector	Forest Growing and Management (FGM)

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. Plan thinning operations	1.1 Identify and measure stand to be thinned 1.2 Identify sample area and measure growth 1.3 Establish level of overwood treatment taking account of habitat and seed tree considerations 1.4 Select thinning method according to workplace procedures 1.5 Document thinning plan including resource requirements, thinning method and costs and communicate to appropriate personnel 1.6 Seek and obtain necessary approvals for thinning plan
2. Coordinate and monitor implementation of thinning operations	2.1 Coordinate and schedule resources required for thinning operation 2.2 Coordinate implementation of thinning plan according to workplace procedures 2.3 Establish and maintain communication with personnel involved in thinning operation to ensure safety and effective implementation of thinning plan 2.4 Mark trees for treatment according to plan and workplace procedures 2.5 Identify monitoring points according to plan and workplace procedures 2.6 Monitor thinning operations to ensure compliance with production, quality, safety and environmental requirements 2.7 Adjust thinning activities, as required, to meet site conditions, ensure effective and efficient work and minimise damage to stand
3. Review and report on thinning operations	3.1 Assess and evaluate data from thinning operations to confirm techniques, methodologies and costs are consistent with plan 3.2 Identify and document issues and impediments to thinning activities and program costs 3.3 Review thinning operation and make recommendations to improve future thinning operations 3.4 Record and report outcomes of thinning operation to appropriate personnel.

Foundation Skills	
<i>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.</i>	
Skill	Description
Reading	<ul style="list-style-type: none"> Extract information from industry guides and standard references on planning and coordinating thinning operations
Writing	<ul style="list-style-type: none"> Prepare written reports for different audiences on thinning operations
Oral communication	<ul style="list-style-type: none"> Use information and persuasive language in conversations and oral presentations to gain approvals for thinning activities
Numeracy	<ul style="list-style-type: none"> Itemise and calculate total cost of thinning operations

Unit Mapping Information			
Code and title current version	Code and title previous version	Comments	Equivalence status
FWPFGM4XXXPlan for and coordinate thinning operations in a native forest or plantation	FWPFGM3206 Plan and implement non-commercial thinning operations	Reworded Title Updated Application Statement Reworded Elements Updated Performance Criteria, Performance Evidence and Knowledge evidence Updated Foundation Skills and Assessment Conditions	Equivalent

Links	Companion Volumes, including Implementation Guides, are available at VETNet: https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=0d96fe23-5747-4c01-9d6f-3509ff8d3d47
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TITLE	Assessment requirements for FWPFGM4XXX Plan for and coordinate thinning operations in a native forest or plantation
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Performance Evidence
<p>An individual demonstrating competency must satisfy all of the elements and performance criteria in this unit.</p> <p>There must be evidence that, on one occasion, the individual has:</p> <ul style="list-style-type: none"> planned a thinning operation to achieve one or more of the following: <ul style="list-style-type: none"> work to maintain the health of the stand improve productivity and long-term sustainability provide for end product mix requirements manage notifiable weeds identified and measured stand to be thinned coordinated implementation of thinning operations monitored thinning operations to ensure compliance with quality, safety and environmental requirements reviewed and reported on outcomes of thinning 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:

Knowledge Evidence	
<ul style="list-style-type: none"> purpose of thinning operations: <ul style="list-style-type: none"> maintain the health of the stand improve productivity and long-term sustainability provide for end product mix requirements manage notifiable weeds reduce fire risk and disease regulate growth rate reduce competition in root and crown workplace procedures for planning and implementing thinning operations environmental protection requirements relevant to planning and implementing thinning operations methods and products used for thinning operations including: <ul style="list-style-type: none"> mechanical chemical measurements relevant to thinning operations: <ul style="list-style-type: none"> height girth number spread processes for managing risks and hazards associated with thinning operations safe handling, use, transport and storage of chemicals relevant biology and stand dynamics for the species common diseases, pests and nutritional deficiencies for the species being thinned common weed and herbicide interactions monitoring points: <ul style="list-style-type: none"> time based frequency based stream monitoring mechanical damage to trees types, safe use and maintenance of tools and equipment used for thinning operations authorisations and approvals processes including: <ul style="list-style-type: none"> 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	
<p>Assessment of the skills in this unit of competency must take place under the following conditions:</p> <ul style="list-style-type: none"> physical conditions: <ul style="list-style-type: none"> skills must be demonstrated in a forest work environment or an environment that accurately represents workplace conditions resources, equipment and materials: <ul style="list-style-type: none"> forest or plantation stand to be thinned personnel to undertake thinning operations specifications: <ul style="list-style-type: none"> access to workplace health, safety and environmental policies and procedures applicable to thinning operations workplace procedures for thinning operations. <p>Assessors of this unit must satisfy the requirements for assessors in applicable vocational education and training legislation, frameworks and/or standards.</p>	
Links	Companion Volumes, including Implementation Guides, are available at VETNet: https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=0d96fe23-5747-4c01-9d6f-3509ff8d3d47

