

Modification history

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

FWPFGM5XXX	Contribute to and implement a forest inventory program
Application	<p>This unit of competency describes the skills and knowledge required to contribute to the planning and management of forest assessments based on an inventory program.</p> <p>The unit applies to individuals who contribute to the planning and management of forest assessments.</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 inventory program	1.1 Identify requirements for an inventory program 1.2 Review site factors impacting on forest inventory program 1.3 Confirm timeline and budget for inventory program 1.4 Review workplace plans to check impact on tree breeding operation 1.5 Determine sampling techniques, methods of measurement and frequency of inventory assessment 1.6 Consult with colleagues and stakeholders and obtain input to inventory program 1.7 Liaise and seek support from senior personnel during preparation of draft inventory program, as required 1.8 Produce draft inventory program according to workplace procedures 1.9 Communicate draft inventory program and performance indicators to appropriate personnel and confirm further actions
2. Implement inventory program	2.1 Implement inventory program according to planned methods, schedule, budget and legislative requirements 2.2 Coordinate required resources and authorisations 2.3 Communicate schedule for inventory assessment to coordinating personnel 2.4 Maintain documentation for all stages of the inventory
3. Monitor inventory assessment	3.1 Establish a monitoring process to enable reporting against marketing, strategic and business plans 3.2 Identify monitoring points and check inventory assessment to ensure compliance with environmental, safety, workplace and legislative requirements 3.3 Amend or revise inventory program and assessment processes to ensure specifications, quality and performance targets are met

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
4. Review inventory assessment	4.1 Review inventory assessment according to workplace procedures 4.2 Analyse data and information to determine effectiveness of inventory assessment and improvements to future programs 4.3 Make recommendations for future programs based on findings of analysis and consultation conducted 4.4 Record and report on inventory program outcomes to the 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"> Interpret written regulatory and environmental information affecting forest inventory plans
Writing	<ul style="list-style-type: none"> Prepare complex written documents including detailed approval applications for forest inventory plans.
Oral communication	<ul style="list-style-type: none"> Use verbal and non-verbal communication and active listening skills to communicate with contractors and resolve issues associated with implementation of forest inventory plans
Numeracy	<ul style="list-style-type: none"> Perform calculations and conversions to determine current and expected wood volume and yield within a forest

Unit Mapping Information			
Code and title current version	Code and title previous version	Comments	Equivalence status
FWPFGM5XXX Contribute to and implement a forest inventory program	FWPFGM5201 Plan and manage an inventory program	Redesigned unit that includes content from FWPFGM5201 Plan and manage an inventory program and FWPFGM6203 Manage sustainable tree inventory	Not equivalent
FWPFGM5XXX Contribute to and implement a forest inventory program	FWPFGM6203 Manage sustainable tree inventory	Redesigned unit that includes content from FWPFGM5201 Plan and manage an inventory program and FWPFGM6203 Manage sustainable tree inventory	Not equivalent

Links	
	Companion Volumes, including Implementation Guides, are available at VETNet: https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=0d96fe23-5747-4c01-9d6f-3509ff8d3d47

TITLE	Assessment requirements for FWPFGM5XXX Contribute to and implement a forest inventory program
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 and under the supervision of a senior forester, the individual has developed, coordinated and reviewed the implementation of one forest inventory program.</p>	
Knowledge Evidence	
<p>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:</p> <ul style="list-style-type: none"> • procedures for the development and implementation of environmental management strategies • data collection and analysis methods • map and plan preparation techniques • characteristics and growth habits of local vegetation • identification of plant species and their ecological interactions with the environment • common diseases, pests and nutritional deficiencies in a forest • soil characteristics and topography of local area • use and application of appropriate survey and assessment equipment • statistical analysis techniques • sampling techniques applicable to forest assessments • principles of hydrology and the interaction/implications between forests/plantations and water use • procedures for recording and reporting workplace information • method for calculating the current and expected wood volume and yield within a forest. 	
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"> • computing hardware and software for documenting forest inventory program • reference materials for data, images, geographic and topographic information, maps and diagrams relating to inventory assessments • specifications: <ul style="list-style-type: none"> • requirements for a forest inventory program • workplace standards, policies and procedures for forest inventory planning • workplace safety and environmental policies and procedures applicable to forestry operations. <p>Assessors of this unit must satisfy the requirements for assessors in applicable vocational education and training legislation, frameworks and/or standards.</p>	
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