



Australian Government

FWPFGM5201 Plan and manage an inventory program

Release: 1

FWPFGM5201 Plan and manage an inventory program

Modification History

Release	Comment
1	Replaces equivalent unit FPIFGM5201B Plan and manage an inventory program, which was first released with FPI11 Forest and Forest Products Training Package Version 2.2. This is the first release of this unit in the new standards format.

Application

This unit of competency describes the outcomes required to plan and manage forest assessments, based on an inventory program. The unit includes conducting consultative processes, and monitoring and analysing the effectiveness of the program.

The unit applies to job roles including Arboriculture Manager, Forest Manager, Forestry Manager, Harvesting Manager, Nursery Manager, Plantation Establishment Manager, Plantation Manager and Production Manager.

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 inventory program	1.1 Analyse requirements for an inventory program. 1.2 Review relevant site environmental protection measures, and legislative and regulatory requirements. 1.3 Check timeline and budget for inventory program. 1.4 Review organisational plans to check impact on tree breeding

	operation 1.5 Determine and document methods of measurement and frequency of inventory assessment. 1.6 Consult and obtain input to inventory program. 1.7 Develop a documented plan for inventory program and obtain necessary approvals. 1.8 Communicate the plan to relevant personnel.
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 Identify monitoring points and check inventory assessment to ensure compliance with environmental, WHS, organisational and legislative requirements 3.2 Amend or revise inventory program and assessment processes to ensure specifications, quality and performance targets are met.
4. Review inventory assessment	4.1 Review inventory assessment against inventory program and organisational requirements 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

Foundation skills essential to performance are explicit in the performance criteria of this unit of competency.

Range of Conditions

Not Applicable

Unit Mapping Information

FPIFGM5201B Plan and manage an inventory program

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 FWPFGM5201 Plan and manage an inventory program

Modification History

Release	Comment
1	Replaces equivalent unit FPIFGM5201B Plan and manage an inventory program , which was first released with FPI11 Forest and Forest Products Training Package Version 2.2. 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:

- Follow organisational policies and procedures relevant to planning and managing an inventory program
- Plan an inventory program that includes a process to:
 - calculate the current and expected wood volume and yield within a forest, or
 - set a monitoring process in place to enable reporting against marketing, strategic and business plans.
- select sampling techniques and create sampling designs
- identify species growing in the target area
- recognise common diseases, pests and nutritional deficiencies in a forest
- use appropriate consultative, communication and interpersonal techniques with colleagues and stakeholders
- present clear and succinct written and verbal information to colleagues
- analyse qualitative and quantitative information and data
- prepare reports, documentation and submissions
- prepare site maps and plans
- use and adapt complex maps and diagrams.

Knowledge Evidence

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

- 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
- 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.

Assessment Conditions

The following resources must be made available:

- organisational inventory procedures
- data, images, geographic and topographic information, maps and diagrams relating to inventory assessments
- survey and assessment equipment
- computers, keyboards, printers and software
- documents, plans, reports and proformas commonly used for inventory planning and assessment
- relevant personnel for the purposes of communicating information

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.

Links

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