



**Australian Government**

# **Assessment Requirements for FWPFGM5212 Manage genetic resources**

**Release: 1**

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## Modification History

Release	Comment
1	<p>Replaces equivalent unit FPIFGM5212A Manage genetic resources, 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.</p> <p>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.</p>

## 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:

- use propagation techniques including:
  - seeds
  - cuttings
  - grafting
  - tissue cultures
  - layering
- schedule resources, materials and equipment required for propagation
- identify problems in the management of genetic resources and demonstrate appropriate response procedures
- efficiently and safely implement a genetic resource management plan, and organise and obtain required permits or licences
- record and report on genetic resource management.

## Knowledge Evidence

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

- organisational policies and procedures, and legislation relevant to processes for managing genetic resources
- genetic resources including sexual and asexual plant species

- provenance of genetic resources
- characteristics of genetic resources including:
  - growth rate
  - branch angle
  - branch height
  - timber density
- environmental protection requirements for managing genetic resources including:
  - fungal and insect control measures
- and action to limit impacts on:
  - selected forest vegetation
  - habitat
  - soil and water features
- methods of propagation including:
  - seeds
  - cuttings
  - grafting
  - tissue cultures
  - layering
- genetic resources and tending strategies
- regeneration principles and methods
- hydrology and hydrological principles
- plant identification and classification skills
- ecology and ecological interactions
- soil types and structure
- nursery hygiene and sterilisation techniques
- types of tools and equipment used for managing genetic resources, and procedures for their use, operation and maintenance
- procedures for recording and reporting workplace information.
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## Assessment Conditions

The following resources must be made available:

- tools and equipment relevant to the management of genetic resources
- relevant personnel for the purposes of communicating information
- documents, spreadsheets and commonly used proforma documents
- organisational policies and procedures relevant to managing genetic resources
- PPE suitable to manage genetic resources.

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

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=0d96fe23-5747-4c01-9d6f-3509ff8d3d47>