



**Australian Government**

# **Assessment Requirements for FWPFGM2204 Plant trees mechanically**

**Release: 1**

# Assessment Requirements for FWPFGM2204 Plant trees mechanically

## Modification History

| Release  | Comment                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Release1 | <p>Replaces equivalent unit FPIFGM2204B Plant trees mechanically, 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:

- follow work order to plant trees mechanically, according to specific work order requirements
- assess the site and plant tree stock mechanically by:
  - checking for appropriate atmosphere, moisture content and seasonal suitability for planting
  - ensuring appropriate spacing and growth suitability for each tree
  - handling tree stock minimally
- use the following tools and equipment safely and efficiently when handling tree stock:
  - planting machine
  - tube planter
  - planting frame
  - harness
  - auger
- identify and resolve the following problems when planting tree stock:
  - site or equipment issues:
    - equipment faults and malfunctions

- environmental safety hazards
- unsuitable planting stock affected by:
  - pests
  - disease
  - nutritional deficiencies.
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## Knowledge Evidence

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

- typical hazards present in forest planting situations:
  - slope
  - water
  - rock
  - undergrowth
  - slash
  - depressions and holes
  - falling or fallen branches
- typical stock defects and visual characteristics:
  - pests
  - diseases
  - nutritional deficiencies
- factors to consider for planting trees and how these affect quality and characteristics of grown trees:
  - planting depth
  - spacing and row positioning of seedlings
  - root placement
- purpose, features, operation and maintenance of tree planting machines
- organisational procedures specific to planting trees mechanically
  - workplace health and safety with particular emphasis on equipment lock-out, risk control and use of personal protective equipment
  - communication reporting lines.
- environmental protection practices for forest settings:
  - cleaning plant, tools and equipment
  - disposing of and recycling waste
  - returning the environment to its original or near to original condition on completion of activity
- safe manual handling techniques for operating in forest settings, specifically those for:
  - shifting
  - lifting
  - carrying tree stock

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## Assessment Conditions

The following resources must be made available:

- planting machine
- tube planter
- planting frames
- harnesses
- augers
- personal protective equipment suitable for planting trees
- commercial quantities of tree stock for planting
- work order with specific instructions for types and quantities of trees to be planted
- relevant personnel for the purposes of communicating information
- organisational procedures for planting trees mechanically.

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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## Links

Companion Volume implementation guides are found in VETNet -

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