



Australian Government

Assessment Requirements for FWPFGM4203 Design plantations

Release: 1

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Modification History

Release	Comment
1	Replaces equivalent unit FPIFGM4203C Design plantations, 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:

- produce designs for plantations that comply with commonwealth, state or territory or local government legislative and regulatory requirements
- follow organisational policies and procedures relevant to designing plantations
- interpret aerial photographs and maps
- design a plantation using consultative processes with colleagues and stakeholders to obtain inputs, and ensure efficient use of resources
- design a plantation that meets specified requirements
- review a plantation design against determined performance indicators, specifications and targets
- develop recommendations for design improvements.
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Knowledge Evidence

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

- commonwealth, state or territory or local government legislative and regulatory requirements and codes of practice relevant to designing plantations
- relevant species characteristics and selection information including:
 - appropriate species
 - provenance
 - distribution and hardiness of trees to be sown or planted to suit the area to be planted

- factors relevant to an assessment of the area including:
 - soil types
 - site rainfall characteristics
 - understory species
 - canopy
 - general forest lean
 - wind speed and direction
 - fallen trees
 - retained vegetation
 - density of trees
 - ground slope
 - soil and water protection
 - ground hazards and obstacles
 - contingencies for modifying operations during wet or other adverse weather conditions
 - hygiene of the area
 - relevant commonwealth, state or territory, and local legislation and regulations.
- plantation design components including:
 - roads
 - fences
 - drainage channels
 - forest area boundaries
- environmental protection requirements relevant to plantation design
- organisational policies and procedures for designing plantations including the following:
 - tending plans
 - harvesting plans
 - organisational marketing and strategic plans
 - plans or regulations relating to chemical use and environmental requirements.
- environmental risks and hazards in the area of the proposed site
- common diseases, pests and nutritional deficiencies that affect plantations
- the principles of good design for plantations.

Assessment Conditions

The following resources must be made available:

- requirements for a plantation design
- PPE suitable for designing plantations
- Organisational policies and procedures relevant to designing plantations
- Relevant parties for the purposes of consulting and communicating

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>