



Australian Government

Assessment Requirements for FWPCOT5209 Manage tree harvesting to minimise environmental impact

Release: 1

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Modification History

Release	Comment
1	Replaces equivalent unit FPICOT5209B Manage tree harvesting to minimise environmental impact which was first released with FPI11 Forest and Forest Products Training Package Version 2.2. 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, and must be able to provide evidence that they can:

- Develop a comprehensive written tree harvesting plan, to incorporate the following inclusions:
 - sustainability indicators
 - sustainability plan
 - workplace health and safety monitoring systems
 - certification scheme requirements
 - coupe size
 - calculation of available timber
 - key performance indicators
 - human resource requirements, equipment and resource requirement estimates
 - planning permits and access permission requirements
 - staff and contract work orders.
- Manage the harvesting operations according to the harvesting plan.
- Complete a post-harvesting report to include performance against key performance and sustainability indicators.

Knowledge Evidence

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

- Key content and application of applicable commonwealth, state, territory or local government regulations and codes of practice relevant to harvest operations.

- Key content of applicable certification schemes, including:
 - Forest Stewardship Council
 - Australian Forestry Standard
 - ISO standards for environmental and other management systems.
- Land use zoning and land owning approval processes.
- Environmental protection practices for forest settings, including:
 - minimising temporary, short-term, long-term and permanent damage to natural vegetation and landscape
 - soil and water protection
 - safe disposal of waste material
 - cleaning plant, tools and equipment.
- Key sustainability indicators, including:
 - water quality
 - soil condition
 - native flora and fauna protection
 - maintenance of culturally significant landscapes, natural or anthropogenic formations and constructions.
- Principles of harvest planning and format, content and use of plans
- Methods used to calculate gross and net spatial areas and volumes of extraction
- Considerations for determining buffer zones, protected areas and erosion control measures
- Harvesting and extraction methods used to maximise yields while minimising environmental impact and by-product
- Workplace health and safety hazards, risks and control measures
- Organisational standards, policies and procedures for the design and operation of harvest activities, including:
 - workplace health and safety for harvesting operations
 - environmental protection
 - documenting harvesting plans
 - communication reporting lines for plans and reports.

Assessment Conditions

The following resources must be made available:

- Access to a coupe to conduct a harvesting operation
- Computers and software programs used for documenting harvesting plans and reports.
- Applicable commonwealth, state, territory or local government regulations and codes of practice relevant to harvest operations.
- Topographic maps for the site.
- Information on land use zonings and application forms.
- Documents and proformas commonly used for:
 - harvesting plans
 - post-harvesting reports

- Organisational standards, policies and procedures for the design and operation of harvest activities.

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>