



Australian Government

Assessment Requirements for FWPFOM5001 Contribute to and implement a forest establishment plan

Release: 1

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Modification History

Release	Comments
Release 1	This version released with FWP Forest and Wood Products Training Package Version 7.0.

Performance Evidence

An individual demonstrating competency must satisfy all of the elements and performance criteria in this unit.

There must be evidence that, under the supervision of a senior forester, the individual has contributed to the development of one forest establishment plan.

In undertaking this activity, the individual has:

- confirmed requirements pertinent to forest establishment planning
- conducted site assessment obtaining information from relevant sources to include in the plan
- established performance indicators
- designed at least one of the following components:
 - roads
 - fences
 - drainage channels
 - forest area boundaries
- confirmed contractual requirements for the forest establishment operations, monitored contractor compliance in relation to at least one of the following:
 - production
 - environmental protection
- presented recommendations for future improvements to planning and implementation of forest establishment operations.

Knowledge Evidence

An individual must be able to demonstrate the knowledge required to perform the tasks outlined in the elements and performance criteria of this unit. This includes 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 a site assessment:
 - 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
- design components, including:
 - roads
 - fences
 - drainage channels
 - forest area boundaries
- site factors to consider in forest establishment planning:
 - areas visible from critical observer points, such as lookouts, nearby towns and major highways
 - modification of visible edges with retention of existing vegetation or planting of other species
 - age class boundaries and timing of establishment to minimise the visual and environmental impact of site preparation and harvesting and the risk of loss due to natural disasters
 - opportunities to enhance connective values of existing native vegetation
 - the presence of important cultural, archaeological, historic, recreational, scenic, geomorphic or biological sites within the plantation area that may be affected by plantation operations, and measures that could be taken to protect these sites
 - intensity, location and design of roads
 - consultation with Indigenous communities, neighbouring landholders and local landcare groups
- environmental protection requirements relevant to plantation design
- workplace policies and procedures for designing plantations:

- tending plans
- harvesting plans
- workplace 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 forest establishment planning.

Assessment Conditions

Assessment of the skills in this unit of competency must take place under the following conditions:

- physical conditions:
 - skills must be demonstrated in a forest work environment or an environment that accurately represents workplace conditions
- resources, equipment and materials:
 - computing hardware and software for documenting forest establishment plans
- specifications:
 - reference materials, including topographic maps, information on land use zonings and application forms, template forest establishment plans
 - requirements for a forest establishment plan
 - workplace safety and environmental policies and procedures applicable to forestry operations.

Assessors of this unit must satisfy the requirements for assessors in applicable vocational education and training legislation, frameworks and/or standards.

Links

Companion Volumes, including Implementation Guides, are available at VETNet: - <https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=0d96fe23-5747-4c01-9d6f-3509ff8d3d47>