



Australian Government

**Assessment Requirements for
FWPFOM5007 Contribute to and
implement a silviculture regime for a
plantation**

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Modification History

Release	Comments
Release 1	This version released with 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 the individual has participated in the design, coordination and monitoring of a silviculture regime for one plantation operation.

In performing this activity, the individual has:

- confirmed plantation management objectives and sourced pertinent information to identify the silviculture regime
- prepared prescriptions, established schedules and calculated costs for at least three plantation silviculture operations from the following:
 - site establishment
 - planting
 - spacing and thinning
 - tending and pruning
 - perennial and annual weeds controls
 - browsing controls
 - use of herbicides, pesticides and fertilisers
 - crop protection measures
 - harvesting
 - surveys for post-harvest monitoring
- confirmed contractual requirements for one plantation silviculture operation and monitored and reported on contractor compliance
- monitored effectiveness of one plantation silviculture operation and presented recommendations for future improvements.

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:

- plantation management objectives:
 - social
 - economic
 - environmental
- types and characteristics of plantation silviculture regimes
- purpose of plantation silviculture regime:
 - production of wood and non-wood products
 - water yield
 - providing habitat for wildlife
 - carbon sequestration
- components of plantation silviculture regime:
 - management objectives
 - silviculture operations
 - monitoring and protection
- approaches to planning, implementing and monitoring plantation silviculture operations:
 - harvesting
 - site establishment
 - planting
 - spacing and thinning after establishment
 - pruning
 - stocking standards
 - browsing controls
 - managing pests and disease
 - crop protection measures – fire, wind
 - surveys for post-harvest monitoring
 - survival assessments
 - remedial treatments
- key elements of a prescription for plantation silviculture operations
- techniques for monitoring silviculture operations in plantations
- techniques for the design, implementation and analysis of outcomes of post-harvest surveys.

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 plantation work environment or an environment that accurately represents workplace conditions
- resources, equipment and materials:
 - a plantation

- computing hardware and software for planning, implementing and monitoring plantation silviculture operations
- stand data required for plantation silviculture operations
- specifications:
 - workplace policies and procedures regarding plantation silviculture 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>