



Australian Government

Assessment Requirements for FWPSIL2002 Plant trees by hand

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 the individual has selected suitable tree stock, prepared the planting site and planted trees by hand in one sample plot of an area to be reforested.

In undertaking this activity, the individual has:

- evaluated the planting site, determined the species and quantity of trees to be planted and selected the appropriate work method taking into account site characteristics and tree stock
- complied with environmental and safety standards, including use of personal protective equipment (PPE)
- planted tree stock manually according to workplace procedures
- followed environmental protection practices in disposing of unsuitable tree stock
- maintained and stored equipment and remaining tree stock
- identified and solved one of the following problems when planting tree stock:
 - site issue
 - equipment issue
 - environmental hazard
 - safety issue
 - unsuitable planting stock
 - pests.

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:

- typical environmental hazards present in forest planting situations, and methods of minimising risks:
 - slope
 - water

- rock
- undergrowth
- slash
- depressions and holes
- falling or fallen branches
- typical causes of stock defects:
 - pests
 - diseases
 - nutritional deficiencies
- visual characteristics of stock defects:
 - defective form, including double leaders
 - malformed or insufficient root systems
 - discoloured leaves or needles
 - root compaction in container grown stock
 - relationship between height and root collar diameter
- factors to consider for planting trees and how these affect quality and characteristics of grown trees:
 - straight positioning of seedlings
 - planting depth
 - spacing and row positioning of seedlings
 - root placement
 - soil compaction
- types of tools and equipment used to plant trees manually, and procedures for their safe use and maintenance:
 - spades
 - planting frames
 - planting tools
 - harnesses
 - augers
- workplace procedures specific to planting trees by hand:
 - workplace health and safety, with particular emphasis on risk control and use of PPE
 - 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.

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 or wood products work environment or an environment that accurately represents workplace conditions
- resources, equipment and materials:
 - tree stock for planting
 - tools, equipment and materials used in manual tree planting
 - PPE suitable for manual tree planting
- specifications:
 - work order or instruction with specific instructions for types and quantities of trees to be planted
 - access to workplace health, safety and environmental policies and procedures applicable to manual tree planting
 - workplace procedures for manual tree planting.

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>