



Australian Government

Assessment Requirements for FWPSIL3002 Plant trees mechanically

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 mechanically 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, machine type and tree stock
- complied with environmental and safety standards, including use of personal protective equipment (PPE)
- safely set up and operated a planting machine to plant forest trees taking into account production target, machine capacity, manufacturer instructions and workplace procedures
- followed environmental protection practices in disposing of unsuitable tree stock
- maintained and stored planting machine and remaining tree stock
- identified and resolved one problem associated with mechanically planting tree stock selected from:
 - mechanical equipment fault or malfunction
 - environmental hazard
 - safety hazard
 - site characteristic
 - unsuitable planting stock
 - pest or disease.

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 hazards present in mechanised forest tree planting situations:

- slope
- water
- rock
- undergrowth
- slash
- depressions and holes
- falling or fallen branches
- equipment hazards
- fuel
- manual handling
- typical tree stock defects and visual characteristics:
 - pests
 - diseases
 - nutritional deficiencies
- factors to consider for planting trees, and how these affect quality and characteristics of grown trees:
 - planting depth
 - spacing and row positioning of seedlings
 - root placement
- purpose, features, operation and maintenance of tree planting machines
- workplace procedures specific to planting trees mechanically:
 - workplace health and safety, with particular emphasis on equipment lock-out, 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
 - planting machine, tools, equipment and materials used in mechanical tree planting
 - PPE suitable for mechanical tree planting
- specifications:
 - work order or instruction with specific instructions for types and quantities of trees to be planted
 - workplace health, safety and environmental policies and procedures applicable to mechanical tree planting
 - workplace procedures for mechanical 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>