



Australian Government

Assessment Requirements for FWPSIL4003 Plan for and coordinate stem improvement operations

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 planned, coordinated and monitored stem improvement activities for one sample forested area using one of the following methods:

- pruning using mechanical or hand tools
- using chemicals or biological agents.

In undertaking this activity, the individual has:

- planned and coordinated a safe and effective stem improvement operation
- ensured personnel involved in stem improvement operations complied with workplace health, safety and environmental policies and procedures including:
 - recycling pruned material
 - disposing of pruned material that cannot be recycled due to chemicals or biological agents used
- identified and recommended methods and strategies to manage stem quality and growth
- determined and documented measurable performance indicators, specifications and targets for work
- supervised staff involved in carrying out stem improvement activities
- monitored stem improvement operation for efficiency and effectiveness
- reviewed and reported on outcomes of stem improvement activities.

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:

- purpose of stem improvement:
 - encourage tree growth to suit marketing requirements
 - increase yield

- reduce tree defects
- regulations, standards, codes of practice and safe practices for coordinating stem improvement
- environmental protection requirements, including the safe disposal of waste material and chemicals
- stem improvement methods:
 - pruning using mechanical or hand tools
 - using chemicals or biological agents
- pruning techniques for target species
- tools and equipment used for stem improvement operations, and their safe use and maintenance, including:
 - pruners
 - jack saw
 - pouch
 - steps
 - epicormic remover
 - pole saw
 - ladder
 - climbing gear
- procedures for working safely at heights
- safe handling, use, storage and transport of chemicals
- procedures for recycling pruned material
- procedures for disposing of pruned material that cannot be recycled due to chemicals or biological agents used
- recognition and identification of species and plant identification sources
- approvals and documentation required for the use of chemical or biological agents
- hazards that may apply to stem improvement activities, including:
 - adverse weather conditions
 - adverse terrain conditions
 - use of machinery
 - use of chemicals or biological agents
 - procedures for recording and reporting workplace information.

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:

- site that requires stem improvement operations
- tools, machinery, equipment and materials for stem improvement activities
- personal protective equipment suitable for stem improvement activities
- personnel to undertake stem improvement activities
- specifications:
 - workplace health, safety and environmental policies and procedures applicable to stem improvement activities.

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>