



**Australian Government**

**Assessment Requirements for FWPSIL3003  
Use mechanised equipment for forestry site  
preparation**

**Release: 1**

# Assessment Requirements for FWPSIL3003 Use mechanised equipment for forestry site preparation

## 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 prepared one forestry site using one item of mechanised equipment and relevant ground engaging attachments selected from:

- bulldozer
- excavator
- skidder
- tractor.

In undertaking this activity, the individual has:

- used two of the following forestry site preparation methods:
  - mounding
  - scaling
  - scarification
  - disc trenching
  - shearing
  - piling
  - bedding
  - ploughing
  - raking
  - ripping
  - drum chopping
  - disking
  - scalping
  - mulching
- conducted the forestry site preparation activities on one of the following terrain types:

- flat terrain
- steep slopes
- carried out routine maintenance on the selected mechanical equipment and attachments
- complied with environmental and safety standards, including use of personal protective equipment (PPE)

recorded and reported production outcomes, equipment faults and operator machine maintenance 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:

- information and requirements in production, site safety and environmental management plans relevant to forest site preparation operations
- industry standards, codes of practice and guidelines for forest site preparation operations, and their requirements as outlined in site safety and environmental management plans
- safe work procedures and safe working zones in forest site preparation operations
- hazards and risks related to operating mechanised equipment for forestry site preparation, and factors that can change or introduce new hazards
- types and correct positioning of warning signs, vehicle-to-vehicle communication systems and procedures to maintain communication and workplace safety during forestry site preparation operations
- firefighting and emergency response procedures
- potential environmental impacts of forestry site preparation activities on:
  - cultural heritage
  - flora
  - fauna
  - ground compaction
  - water contamination
  - soil erosion
- forestry site preparation activities:
  - mounding
  - scaling
  - scarification
  - disc trenching
  - shearing
  - piling
  - bedding
  - ploughing
  - raking
  - ripping
  - drum chopping

- disking
- scalping
- mulching
- environmental protection procedures relevant to forest site preparation operations
- types and uses of ground-engaging attachments
- effects of slope and terrain conditions on equipment setup, operation and stability
- machine specifications, restrictions and safe operating procedures, stability and operation in different terrain conditions and slopes, and methods to shut down the machine as outlined in workplace procedures or operator manual
- methods to conduct machine pre-operational checks and detect faults as outlined in workplace procedures or operator manual
- machine maintenance and servicing requirements as outlined in operator manuals
- reporting requirements regarding site, incident and hazard, personal reporting, check-in, production, and equipment maintenance
- features, components, capacity and uses of mechanised equipment used in forestry site preparation
- reasons and procedures for maintenance of mechanised equipment and ground-engaging attachments.
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## 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 forestry environment or an environment that accurately represents workplace conditions
- resources, equipment and materials:
  - mechanised equipment and ground-engaging attachments used in forestry site preparation
  - forestry site for site preparation activities
  - PPE required in site preparation operations
  - vehicle-to-vehicle communication system
- specifications:
  - work order or instruction detailing forestry site preparation activities to be carried out by operator
  - workplace safety and environmental protection policies and procedures applicable to forestry site preparation activities operations
  - production plan
  - site emergency procedure
  - workplace safe operating procedures for mechanised equipment used in forestry site preparation
  - user manual for vehicle-to-vehicle communication system.

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>