



**Australian Government**

**Assessment Requirements for MSFFM3033  
Set up, operate and maintain drilling  
machines**

**Release: 1**

# Assessment Requirements for MSFFM3033 Set up, operate and maintain drilling machines

## Modification History

Release 1. Changes to code, application, elements, performance criteria, assessment requirements. Foundation skills added. Range of conditions removed. Assessment requirements changed.

## Performance Evidence

There must be evidence the candidate has completed the tasks outlined in the elements and performance criteria of this unit, and demonstrated the ability to:

- set up and operate at least 2 of the following types of drilling machines to complete task requirements in accordance with workplace procedures
  - single-head multi-spindle machine
  - single-spindle vertical and horizontal machine
  - multi-head multi-spindle machine
- complete operator maintenance on each of the 2 machines at least once, including:
  - checking that guards, safety switches, and machine jigs and attachments are functioning correctly
  - servicing machine lubrication points
  - identifying tooling needing sharpening and repair
  - checking that drive belts are undamaged and correctly tensioned
  - cleaning machine at the end of a production run
  - checking that electrical systems are functioning correctly, and identifying issues for referral to qualified electrician
  - completing maintenance documentation.
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## Knowledge Evidence

There must be evidence the candidate has knowledge of:

- workplace procedures for:
  - work health and safety
  - quality assurance and tolerance levels
  - reporting of machinery faults and material defects
- functions and characteristics of types of drilling machine:
  - single-head multi-spindle machines
  - single-spindle vertical and horizontal machines
  - multi-head multi-spindle machines

- drilling processes and techniques
- characteristics and response to the drilling process of materials commonly used:
  - solid timber
  - manufactured board
  - metal
  - glass
- the function of other tools and materials typically used in the drilling process:
  - machine-specific tools
  - jigs and fixtures
  - machine consumables
  - oils and lubricants and trial materials
- personal protective equipment (PPE) required when operating drilling machines.
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## Assessment Conditions

Skills must have been demonstrated in the workplace or in a simulated environment that reflects workplace conditions and contingencies. The following conditions must be met for this unit:

- use of suitable facilities, equipment and resources, including:
  - work documentation
  - unprocessed materials for drilling
  - drilling machines (2 different types) **required for performance evidence**
  - PPE
  - workplace procedures.

Assessors must satisfy the NVR/AQTF mandatory competency requirements for assessors.

## Links

Companion Volume implementation guides are found in VETNet – -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=0601ab95-583a-4e93-b2d4-cfb27b03ed73>