



**Australian Government**

**Assessment Requirements for MSFFM3032  
Set up, operate and maintain sawing  
machines**

**Release: 1**

# Assessment Requirements for MSFFM3032 Set up, operate and maintain sawing 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 4 of the following types of saw to complete tasks in accordance with workplace procedures and specifications:
  - cross-cut saws
  - circular rip saws
  - sliding table panel saws and scroll-band saws
  - numerically controlled (NC) beam saws
  - wall saws
  - band re-saws and straight line edgers
- complete operator maintenance on each of the 4 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, and identifying issues for referral to qualified electrician
  - completing maintenance documentation
- meet workplace standards for efficiency, including:
  - identifying and resolving routine problems
  - working with others, recognising dependencies and using cooperative approaches to optimise workflow and productivity.

## 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
- risk control measures, including personal protective equipment (PPE), for the following hazards
  - cutting and crushing hazard
  - objects and particles thrown by machine
  - noise
  - airborne contaminants
  - slips, trips and falls
  - manual handling injuries
- functions of different types of sawing machines, including at least 4 of the following:
  - cross-cut saws
  - circular rip saws
  - sliding table panel saws and scroll-band saws
  - numerically controlled (NC) beam saws
  - wall saws
  - band re-saws and straight line edgers
- sawing processes and techniques including those for cutting simple and compound angles and freehand curves and undertaking deep, freehand and off-fence ripping
- characteristics and response to the machine sawing process of materials commonly used, including at least 4 of the following:
  - solid timber
  - manufactured board
  - laminates
  - plastics
  - acrylics
  - synthetic solids
- function of other tools and materials typically used in the sawing process
  - machine-specific tools
  - jigs and fixtures
  - machine consumables
  - oils and lubricants and trial materials.

## 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 sawing

- sawing machines (4 different types) and other tools and equipment 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>