



**Australian Government**

# **Assessment Requirements for FWPCOT3272 Set up and run multi-head moulder/planer to produce simple profiles**

**Release: 1**

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## Modification History

| Release   | Comments                                                                              |
|-----------|---------------------------------------------------------------------------------------|
| Release 1 | This version released with FWP Forest and Wood Products Training Package Version 5.0. |

## Performance Evidence

An individual demonstrating competency must satisfy all of the elements and performance criteria in this unit.

There must be evidence that, on at least one occasion, the individual has:

- set up and run a multi-head moulder/planer to produce timber with any of the following simple profiles:
  - dressed all round (DAR) boards, either with a square edge or pencil round edge
  - skip-dressed boards
- in doing the above job:
  - followed work order and relevant workplace health and safety and environmental protection procedures
  - selected and fitted cutter heads for a profile specified in a work order
  - calibrated the moulder/planer to ensure output timber conforms to the required profile
  - run the moulder/planer
  - completed workplace reports on set-up, calibration and production 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, features, operating parameters, components and operation of multi-head moulders/planers
- equipment used in setting up and running multi-head moulders/planers
- types of cutters used to produce simple profiles
- types and applications of simple profiles:
  - DAR timber boards, either with a square edge or pencil round edge
  - skip-dressed timber boards
- cutter head damage and defects:

- types
- effects
- corrective actions
- multi-head moulder/planer machine components:
  - cutters
  - fences
  - guides
  - bed plates
  - rollers
  - beam
- variables impacting on the finished quality of machined timber:
  - machine variables, including cutting speed, cutter pitch, feed speed, cutting angles, cutter sharpness
  - timber variables, including moisture content, grade, age, species
- feed rates and how they affect production output and finished quality of timber boards
- methods for calculating feed speed
- factors that impact on the selection of feed speed:
  - size
  - profile
  - species
- typical timber defects and how these impact on the quality of finished product:
  - warp
  - wane
  - cupping
  - shakes
  - insect defects
  - knots
  - resin pockets
- industry standard profiles, lengths, cross-sections and tolerances and applicable terminology
- cutting patterns used on boards to achieve maximum volume recovery
- methods for assessing cutter condition
- types of risk and hazards and mitigation measures associated with dressing boards using multi-head moulders/planers
- workplace procedures specific to dressing boards using multi-head moulders/planers:
  - workplace health and safety, with particular emphasis on equipment lock-out, use of personal protective equipment (PPE) and safe manual handling techniques
  - communication reporting lines
  - recording and reporting production outcomes, equipment faults and maintenance requirements
  - environment protection legislation relating to sawmill operations.

## Assessment Conditions

Assessment of skills must take place under the following conditions:

- physical conditions:
  - skills must be demonstrated in a timber processing or manufacturing facility or an environment that accurately represents workplace conditions
- resources, equipment and materials:
  - multi-head moulder/planer
  - cutters for simple profiles
  - tools for setting up and calibrating multi-head moulders/planers
  - PPE suitable for setting up and running multi-head moulders/planers
- specifications:
  - template documents for recording outcomes of setting up and running multi-head moulders/planers
  - manufacturer instructions for setting up and running multi-head moulders/planers
  - work order with specific instructions for setting up and running multi-head moulders/planers
  - workplace procedures for setting up and running multi-head moulders/planers.

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>