



Australian Government

FWPCOT3295 Assess and maintain cutter performance

Release: 1

FWPCOT3295 Assess and maintain cutter performance

Modification History

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

Application

This unit of competency describes the skills and knowledge required to assess and maintain cutter performance in timber moulding and planing operations. This activity includes inspecting dressed timber, diagnosing cutter performance and rectifying problems with cutters or knives.

The unit applies to individuals who assess and maintain cutter performance in a timber processing or manufacturing facility.

All work must be carried out to comply with workplace procedures, according to state/territory health and safety regulations, legislation and standards that apply to the workplace.

No licensing, legislative or certification requirements apply to this unit at the time of publication.

Pre-requisite Unit

Nil

Unit Sector

Common Technical (COT)

Elements and Performance Criteria

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
1. Prepare for work	1.1 Review workplace health and safety requirements, including use of personal protective equipment, equipment lock-out and safe manual handling techniques 1.2 Identify, assess and take actions to mitigate risks and hazards

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	associated with assessing and maintaining the cutter and assembly components for moulding and planing machines 1.3 Identify and implement environmental protection procedures for minimising and disposing of material, and maximising energy efficiency
2. Inspect timber cutters and assembly components	2.1 Obtain information relating to current and past performance problems and review to assess process problems 2.2 Observe cutter, cutter block, spindles and associated assembly components under operating conditions to determine extent of problems 2.3 Examine timber fed through the machine to determine potential causes of cutting problem 2.4 Lock out machine and inspect cutters and assembly components to identify worn, broken and loose components
3. Rectify problems with cutters and assembly components	3.1 Diagnose possible causes with input from other personnel where required 3.2 Discuss solutions with relevant personnel to identify and agree on preferred option 3.3 Implement selected course of action, review dressing operation and results and communicate to appropriate personnel 3.4 Record and report causes of problems and action taken according to workplace procedures

Foundation Skills

This section describes those language, literacy, numeracy and employment skills that are essential for performance in this unit of competency but are not explicit in the performance criteria.

Skill	Description
Reading	Sources and extracts information from machine records, service history and log books to determine potential causes of cutting problems
Oral communication	Employs active listening and questioning to clarify content of work orders

Skill	Description
Numeracy	Locates and interprets routine numerical data involving angles, dimensions, and speeds in cutting performance records
Navigate the world of work	Understands main tasks, responsibilities and boundaries of own role
Interact with others	Uses modes of communication suitable to purpose to confirm and clarify understanding
Get the work done	Recognises and responds to routine problems

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
FWPCOT3295 Assess and maintain cutter performance	FWPCOT3217 Assess and maintain cutter performance	Updated application; revised elements and performance criteria for clarity; revised list of relevant machines; reworded performance evidence Vocational outcomes have not changed	Equivalent unit

Links

Companion Volumes, including Implementation Guides, are available at VETNet: -
<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=0d96fe23-5747-4c01-9d6f-3509ff8d3d47>

Assessment Requirements for FWPCOT3295 Assess and maintain cutter performance

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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 successfully assessed and diagnosed three different problems related to cutter and cutter blocks performance for moulders or planers.

In doing the above, the individual has:

- followed work order and relevant workplace health and safety and environmental protection procedures
- assessed performance of cutter and assembly components
- inspected timber and cutter and assembly components
- identified safe course of action for rectifying problem
- reported on problem, fault diagnosis process and rectification outcomes.

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 and operation of cutter, cutter block and assembly components on moulders and planers
- typical causes of damage and poor cutter performance:
 - forcing timber through the machine
 - damage from foreign matter
 - incorrect operating speeds
 - oversized material removal
 - incorrect setting of machine
 - poor sharpening or setting of cutters or knives
 - worn or damaged components
- methods for:
 - assessing condition of cutters and assembly components

- diagnosing causes of damage and poor performance
- rectifying problems and improving cutter performance
- types of risk and hazards and mitigation measures associated with assessing and maintaining cutter performance
- workplace procedures specific to assessing and maintaining cutter performance:
 - workplace health and safety, with particular emphasis on equipment lock-out and use of personal protective equipment (PPE)
 - communication reporting lines
 - recording and reporting cutting problems
 - diagnosis process and rectification outcomes
 - disposing of material.

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:
 - one or more of the following machines and associated cutters: moulder, planer
 - hand tools to carry out the work
 - PPE suitable for assessing and maintaining performance of cutters
- specifications:
 - records of equipment fault and cutting performance
 - template documents for recording and reporting cutting problems, the fault diagnosis process and rectification outcomes
 - workplace procedures for assessing and maintaining performance of cutters and associated equipment
 - manufacturer instructions for use, repair and maintenance of cutters and associated equipment.

Assessors of this unit must satisfy the requirements for assessors in applicable vocational education and training legislation, frameworks and/or standards.

Links

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<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=0d96fe23-5747-4c01-9d6f-3509ff8d3d47>