



Australian Government

FWPCOT3216 Assess and maintain saw performance

Release: 1

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Modification History

Release	Comment
1	Replaces equivalent unit FPICOT3216B Assess and maintain saw performance, which was first released with FPI11 Forest and Forest Products Training Package Version 2.2. This is the first release of this unit in the new standards format.

Application

This unit of competency describes the outcomes required to assess, test, verify and rectify cutting problems for chipping and sawing machines, saw blades, knives and associated equipment. Work is completed in a wood products factory setting.

The unit applies to Sawdoctor, Saw Repairer.

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

Pre-requisite Unit

Nil

Unit Sector

Common Technical; applies across sectors

Elements and Performance Criteria

<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element. Where bold italicised text is used, further information is detailed in the range of conditions.</i>
1. Inspect and test saw and equipment	1.1 Obtain information relating to current and past performance problems and review to assess process problems. 1.2 Select appropriate personal protective equipment and check for operational effectiveness. 1.3 Observe saw and equipment under operating conditions to determine extent of problems. 1.4 Examine timber fed through saw to determine potential causes of

	cutting problem. 1.5 Lock-out equipment and inspect saw and equipment to identify worn, broken and loose components.
2. Assess technical performance	2.1 Compare technical performance against other equipment. 2.2 Assess technical performance of sawing operation to identify future improvements and feasibility of options for new equipment. 2.3 Obtain endorsement from appropriate personnel for identified improvements.
3. Rectify saw problems	3.1 Identify characteristics of occurring problems and diagnose possible causes. 3.2 Refer to other trades and operations personnel to validate assessed causes. 3.3 Canvass responses and discuss with relevant personnel to identify and agree on preferred option. 3.4 Implement selected course of action, review cutting results and communicate to appropriate personnel. 3.5 Record and report causes of cutting problems and action taken in line with organisational procedures.

Foundation Skills

This section describes those core and employment skills that are essential to performance and are not explicit in the performance criteria.

Numeracy skills to:	interpret routine numerical data involving angles, dimensions, and speeds in equipment fault and cutting performance records.
Oral communication skills to:	ask open and closed probe questions and actively listen when discussing problems, potential causes and options to rectify.
Reading skills to:	- interpret basic documents recording faults and performance of equipment - interpret detailed and familiar workplace health and safety procedures.
Writing skills to:	complete accurate basic records of cutting problems, the fault diagnosis process and rectification outcomes.
Planning and organising skills to:	manage own timing and productivity to assess, diagnose and rectify saw problems.

Range of Conditions

Not Applicable

Unit Mapping Information

FPICOT3216B Assess and maintain saw performance

Links

Companion Volume implementation guides are found in VETNet -

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

Assessment Requirements for FWPCOT3216 Assess and maintain saw performance

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1	Replaces equivalent unit FPICOT3216B Assess and maintain saw performance, which was first released with FPI11 Forest and Forest Products Training Package Version 2.2. This is the first release of this unit in the new standards format. Assessment requirements now specify the performance and knowledge evidence, as well as assessment conditions for this unit of competency. These sections simplify and replace components used in the previous unit format, including Required Skills and Knowledge, Evidence Guide and Range Statement

Performance Evidence

A person demonstrating competency in this unit must satisfy all of the elements, performance criteria and foundation skills of this unit. If a specific volume or frequency is not stated below, then evidence must be provided that the following requirements have been performed on at least one occasion:

- follow organisational policies and procedures relevant to assessing and maintaining saw performance
- assess saw problems through information gathering, testing and inspecting equipment, and assessing possible causes
- select and implementing the correct course of action to rectify saw problems
- complete a basic report providing details of cutting problems, the fault diagnosis process and rectification outcomes.

Knowledge Evidence

A person competent in this unit must be able to demonstrate knowledge of:

- purpose, features and operation of sawing tools including:
 - band saws
 - circular saws
 - gang saws
 - chippers
 - canters
- typical causes of damage and poor saw performance:

- forcing timber through the equipment
- damage from foreign matter
- incorrect operating speeds
- oversized material removal
- incorrect setting of equipment
- poor sharpening or setting of saw blades
- methods for:
 - assessing condition of saw blades and performance of equipment
 - diagnosing causes of damage and poor performance
 - rectifying problems and improving saw performance.
- organisational procedures specific to assessing and maintaining saw performance:
 - workplace health and safety with particular emphasis on equipment lock out and use of personal protective equipment
 - communication reporting lines
 - recording and reporting cutting problems, the fault diagnosis process and rectification outcomes.

Assessment Conditions

The following resources must be made available:

- sawing tools for assessment and maintenance which includes one or more of the following:
 - band saws
 - circular saws
 - gang saws
 - chippers
 - canters
- personal protective equipment suitable for assessing and maintaining saw performance
- equipment fault and cutting performance records
- template documents for recording and reporting cutting problems, the fault diagnosis process and rectification outcomes
- organisational policies and procedures for assessing and maintaining saw performance.

Competency is to be assessed in the workplace or a simulated environment that accurately reflects performance in a real workplace setting.

Assessor requirements

Assessors must:

- hold the appropriate assessor competency standards as outlined in regulations; and
- be able to demonstrate vocational competencies at least to the level being assessed; and

- be able to demonstrate how they are continuing to develop their VET knowledge and skills as well as maintaining their industry currency and assessor competence.

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