



Australian Government

Assessment Requirements for FWPSAW3221 Profile saw blanks

Release: 2

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Modification History

Release	Comments
Release 2	This version released with FWP Forest and Wood Products Training Package Version 3.0.
Release 1	This version released with FWP Forest and Wood Products Training Package Version 2.0.

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 profiling saw blanks
- profile saw blanks in line with the work order and within prescribed organisational requirements
- operate profiling equipment
- set up punch and die kits or other equipment used for profiling saw teeth
- calculate these key dimensions for blades in line with manufacturers' specifications and timber processing requirements:
 - width
 - length
 - pitch
 - gullet depth
 - hook and back clearance angles
 - number of teeth
- assess the performance of profiling equipment and complete basic written records for:
 - edge finish
 - wear rates
 - production rates
 - distortion.

Knowledge Evidence

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

- purpose, features and operation of band, wide band and gang saws for which saw blanks are profiled
- features and names of different parts of band saw blades
- purpose, features and operation of tools and equipment used to profile saw blanks:
 - power fly presses
 - punch systems
- importance of profiling saw blanks to match requirements for:
 - characteristics of various materials sawn
 - speed of the sawing process
 - direction of the sawing process
 - cutting angle for sawing
 - saw blade specifications
- methods for:
 - calculating key saw dimensions
 - profiling, pressing and punching saw blanks to required pitch and tooth profile
 - aligning saw teeth
 - assessing performance of profiling equipment for:
- edge finish
- wear rates
- production rates
- distortion
- organisational policies and procedures specific to profiling saw blanks:
 - workplace health and safety with particular emphasis on equipment lock out and use of personal protective equipment
 - communication reporting lines
 - recording and reporting processing and equipment faults.
- environmental protection practices for repairing and maintaining tools and equipment in forest products factory settings:
 - reducing water and energy use
 - cleaning plant, tools and equipment
 - disposing of, recycling and reusing materials.

Assessment Conditions

The following resources must be made available:

- one or more of the following types of tools and equipment used to profile saw blanks:
 - power fly presses
 - punch systems
- ribbon stock for large heavy duty band, wide band and gang saw blades
- personal protective equipment suitable for profiling saw blanks
- manufacturers' instructions for use, repair and maintenance of equipment

- work order for repair and maintenance activities with specific instructions for profiling saw blanks for specified equipment
- documents, spreadsheets and commonly used proformas for recording processing and equipment faults
- relevant personnel for the purposes of communicating information
- organisational policies and procedures for profiling saw blanks.

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.

Links

Companion Volume implementation guides are found in VETNet -

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