



**Australian Government**

# **Assessment Requirements for FWPSAW3225 Maintain frame saw blades**

**Release: 1**

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## Modification History

Release	Comment
1	<p>New unit.</p> <p>Replaces equivalent unit FPISAW3225B Maintain frame saw blades, 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.</p> <p>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</p>

## 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 maintaining frame saw blades
- maintain frame saw blades in line with a work order and within prescribed organisational requirements
- remove and replace saws from equipment
- assess saw condition in line with standard operating procedures
- use welding processes and materials to produce:
  - welds which provides enough penetration to ensure strong cohesion
  - density that ensures the weld is free of holes and inclusions.
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## Knowledge Evidence

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

- purpose, features and operation heavy duty frame saws for which repairs are completed
- features and names of different parts of frame saw blades
- purpose, features and operation of tools and equipment used to repair and maintain frame saw blades:
  - hammers

- structure rolls
- levelling rolls
- tensioning instruments
- gauges and straight edges
- welding equipment and welding materials
- importance of levelling blades, setting tension, applying curvature and setting teeth 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:
  - removing saw blades from heavy duty frame saws
  - assessing saw blade condition
  - hammering, levelling and tensioning blades to specified requirements
  - applying curvature
  - welding to build up and replace teeth
  - grinding and filing teeth to required shape, tolerance and pitch
- characteristics of metal used in frame saw blades and range of force which can be applied without damaging blades
- organisational procedures specific to maintaining frame saw blades:
  - 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
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## Assessment Conditions

The following resources must be made available:

- tools and equipment used to repair and maintain frame saw blades:
  - hammers
  - structure rolls
  - levelling rolls
  - tensioning instruments

- gauges and straight edges
- welding equipment
- welding jigs
- run-off tabs
- punches
- engineers hammers
- angle grinders
- sanders
- hand files
- abrasive paper or cloth
- welding material
- tools and equipment to be repaired and maintained:
- large heavy duty frame saws used to cut timber
- personal protective equipment suitable for repairing and maintaining frame saw blades
- manufacturers' instructions for use, repair and maintenance of equipment
- work order for repair and maintenance activities with specific instructions for repairing frame saw blades in specified equipment
- template documents for recording processing and equipment faults
- relevant personnel for the purposes of communicating information
- organisational policies and procedures for maintaining frame saw blades.

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>