



Australian Government

Assessment Requirements for FWPSAW3217 Hard face saw teeth

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 hardfacing saw teeth
- hard face saw teeth in line with the work order and within prescribed organisational requirements
- remove and replace saw from equipment.

Knowledge Evidence

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

- purpose, features and operation of saws for which teeth blades are hard faced:
 - band saws
 - circular saws
 - gang saws
- features and names of different parts of saw blades
- purpose, features and operation of tools and equipment used to hard face saw teeth:
 - resistance welding equipment
 - plasma transfer equipment
- methods for:
 - assessing saw blade condition
 - cohering the face to the existing face of saw blade teeth
 - assessing completed facings against specifications
- tooth pitch and tooth angles at which blades are sharpened (blade geometry)
- variable settings for machine operations and effects on material cohesion:

- pressure
- temperature
- current
- voltage
- weld time
- vacuum
- organisational policies and procedures specific to hard facing saw teeth:
 - 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:

- tools and equipment used to hard face saw teeth:
 - resistance welding equipment
 - plasma transfer equipment
- blade saws to be hard faced from these types of saws:
 - band saws
 - circular saws
 - gang saws
- hard compound metal used to hard face saw teeth
- personal protective equipment suitable for hard facing saw teeth
- manufacturers' instructions for use, repair and maintenance of equipment
- work order for repair and maintenance activities with specific instructions for hard facing saw teeth in 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 hard facing saw teeth.

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>