



**Australian Government**

# **Assessment Requirements for FWPSAW3246 Hard face saw teeth**

**Release: 1**

## Assessment Requirements for FWPSAW3246 Hard face saw teeth

### Modification History

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

### 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, on at least one occasion, hard faced saw teeth, and has:

- followed work order and relevant workplace health and safety and environmental protection procedures
- hard faced saw teeth according to work order and workplace requirements
- removed and replaced saw blade from equipment.

### 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 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
- variable settings for machine operations and effects on material cohesion:
  - pressure
  - temperature

- current
- voltage
- weld time
- vacuum
- workplace procedures specific to hard facing saw teeth:
  - workplace health and safety, with particular emphasis on equipment lock-out and use of personal protective equipment (PPE)
  - communication reporting lines
  - recording and reporting of 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

Assessment of skills must take place under the following conditions:

- physical conditions:
  - skills must be demonstrated in a forest product factory setting or an environment that accurately represents workplace conditions
- resources, equipment and materials:
  - resistance welding equipment
  - plasma transfer equipment
  - blade saws to be hard faced: band saws, circular saws, gang saws
  - hard compound metal used to hard face saw teeth
  - PPE suitable for hard facing saw teeth
- specifications:
  - manufacturer 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 proformas for recording processing and equipment faults
  - organisational policies and procedures for hard facing saw teeth.

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

## Links

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