



Australian Government

Assessment Requirements for FWPCOT3215 Swage and shape saw blades

Release: 1

Assessment Requirements for FWPCOT3215 Swage and shape saw blades

Modification History

Release	Comment
1	Replaces equivalent unit FPICOT3215B Swage and shape 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. 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 swaging and shaping saw blades
- inspect kerf and swage block to assess both as part of the setup procedures for swaging and shaping
- swage and shape teeth in line with organisational requirements and specifications

Knowledge Evidence

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

- purpose, features and operation of circular, band and gang saws for which saw blades are shaped and swaged
- features and names of different parts of circular, band and gang saw blades
- purpose, features and operation of tools and equipment used to shape and swage blades:
 - swagers
 - swage clamps or vices
 - dies
 - measuring equipment
- importance of swaging and shaping saw blades 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
- techniques used to swage and shape saw teeth to specified hook, back, tangential and radial clearance angles
- industry standard and organisational tolerances
- organisational procedures specific to swaging and shaping 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 problems 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 swage and shape saw blades:
 - swagers
 - swage clamps or vices
 - dies
- measuring equipment including one or more of the following:
 - wire gauges
 - test bars
 - rules
 - micrometers
 - vernier callipers
- saw blades to suit:
- circular saws
- band saws
- gang saws
- personal protective equipment suitable for swaging and shaping saw blades
- manufacturers' instructions for use of equipment and recommended specifications for swaging and shaping teeth
- work order with specific instructions for swaging and shaping saw blades for specified equipment
- template documents for recording processing problems and equipment faults

- organisational policies and procedures for swaging and shaping 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>