



Australian Government

Assessment Requirements for FWPCOT3210 Sharpen cutting tools

Release: 1

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Modification History

Release	Comment
1	<p>Replaces equivalent unit FPICOT3210B Sharpen Cutting tools, 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 organizational policies and procedures relevant to sharpening cutting tools
- determine cutting tool dimensions
- select and set up grinder and attachments
- sharpen cutting tools in line with an individual work order
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Knowledge Evidence

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

- purpose, features and operation of cutting equipment for which cutters are sharpened:
 - cutters
 - profile cutters
 - routers
- purpose, features, operation and limitations of tools and equipment used to sharpen cutting tools:
 - grinding machines
 - grinding machine attachments
 - abrasive grinding wheels
- methods for:

- determining cutting tool dimensions
- removing cutters from cutting equipment
- assessing cutter condition
- selecting appropriate grinding wheels; diameter and material
- sharpening cutters to specified requirements
- setting cutters to a specified profile
- pitch and angles at which cutters are sharpened
- abrasive wheel technology, including wheel types, safe use and storage, cutting speeds, special applications, selection, specifications and design limitations.
- range of speeds at which abrasive wheels can be operated without damaging cutting tools
- 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
- organisational procedures specific to sharpening cutting tools:
 - 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.
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Assessment Conditions

The following resources must be made available:

- tools and equipment used to sharpen cutting tools including grinders and one or more of the following:
 - abrasive grinding wheels in a variety of diameters
 - slicers
 - mincer plates
 - chucks
 - collets
 - clamps
 - dividing heads
 - drill bit holders
 - vices
 - resting brackets
- cutting equipment for which cutters are to be sharpened:
 - cutters
 - profile cutters
 - routers

- coolant
- personal protective equipment suitable for sharpening cutting tools
- manufacturers' instructions for use, repair and maintenance of equipment
- work order for repair and maintenance activities with specific instructions for sharpening cutting tools in specified equipment
- template documents for recording processing problems and equipment faults
- organisational policies and procedures for sharpening cutting tools.

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>