



Australian Government

Assessment Requirements for FWPCOT3213 Manufacture cutting tools

Release: 1

Assessment Requirements for FWPCOT3213 Manufacture cutting tools

Modification History

Release	Comment
1	Replaces equivalent unit FPICOT3213B Manufacture 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. 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 organizational policies and procedures relevant to manufacturing cutting tools
- safely manufacture cutting tools that meet industry standards and technical requirements

Knowledge Evidence

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

- purpose, features and operation of tools and equipment used to machine and profile blanks for cutting tools
- importance of profiling cutting tools to match requirements for:
 - characteristics of various materials sawn
 - speed of the cutting process
 - direction of the cutting process
 - cutting angle
 - cutting tool specifications
- methods for:
 - calculating cutting tool dimensions
 - machining and profiling blanks to required profile

- assessing surface finish and measuring dimensions of finished tool against specifications and tolerances
- industry standard and organisational tolerances
- organisational procedures specific to manufacturing 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
- environmental protection practices for machining 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 machine and profile blanks for cutting tools
- measuring equipment which includes one or more of the following:
 - vernier callipers
 - micrometers
 - rules
- blank stock for cutting tools
- personal protective equipment suitable for manufacturing cutting tools
- manufacturers' instructions for use, repair and maintenance of equipment
- work order for machining activities with specific instructions for manufacturing cutting tools for specified equipment
- template documents for recording processing problems and equipment faults
- organisational policies and procedures for manufacturing 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>