



Australian Government

Assessment Requirements for FWPTMM3202 Manufacture using joinery machines

Release: 1

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Modification History

Release	Comment
1	Replaces equivalent unit FPITMM3202B Manufacture using joinery machines, 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 manufacturing material using joinery machines
- cut and drill machined joints in line with the work order and within prescribed organizational specifications, including these processes:
 - drilling
 - boring
 - mortising
 - tenoning
 - trenching
 - grooving
 - rebating
 - beveling
 - routing
- stack batches of cut material in line with organizational requirements
- conduct operator maintenance on joinery machine equipment

Knowledge Evidence

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

- features and uses of these types of machined joints:
 - grooves
 - rebates
 - bevels
 - trenches
 - mortises
 - tenons
 - holes
- cutting and drilling techniques and processes including feed rates and finish
- types of cutting and drilling tools and equipment; their purpose, features, operation and basic non-specialist repair and maintenance:
 - measuring equipment
 - saws
 - routing machines
 - single or double end tenoners
 - mortisers
 - borers
 - multi-borers
 - drill presses
 - mortising chisels
 - tenoning saws or chains
- environmental protection practices for forest products factory settings:
 - reducing water and energy use
 - cleaning of plant, tools and equipment
 - disposing of, recycling and reusing timber and other waste
- organisational procedures specific to production activities using joinery machines:
 - workplace health and safety with particular emphasis on equipment lock out
 - use and maintenance of equipment
 - communication reporting lines
 - recording and reporting cutting process and equipment faults.

Assessment Conditions

The following resources must be made available:

- cutting and drilling tools and equipment:
 - measuring equipment
 - saws

- routing machines
- single or double end tenoners
- mortisers
- borers
- multi-borers
- drill presses
- cutting blades and drills:
 - square and angular router cutting bits
 - drills in varying sizes
 - mortising chisels
 - tenoning saws and chains
 - trenching heads
- maintenance tools and equipment for cutting and drilling tools
- consumable components; cutting blades and drills
- personal protective equipment suitable for cutting and drilling activities
- a diverse, comprehensive and commercial product range of timber
- manufacturers' instructions for use and maintenance of equipment
- work order for production activities with specific instructions for the cutting, drilling and storage of timber and timber products
- template reports for recording processing and equipment faults
- relevant personnel for the purposes of communicating information
- organisational procedures for production activities using joinery machines.

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-3509f8d3d47>