



Australian Government

Assessment Requirements for FWPTMM3211 Manufacture using joinery machines

Release: 1

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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, safely set up, calibrated, operated and maintained one or more of the following joinery machines:

- mortise and tenon
- borers
- routers.

In doing the above job, the individual has:

- followed work order and relevant workplace health and safety and environmental protection procedures
- set up profile
- operated machine according to workplace procedures and work order requirements
- safely cleared sawn or machined materials and waste from the joinery machine
- checked, sorted and stacked the finished product
- disposed of waste material
- completed production reports.

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:

- 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, purpose, features, operation and basic non-specialist repair and maintenance of cutting and drilling tools and equipment:
 - 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 plant, tools and equipment
 - disposing of, recycling and reusing timber and other waste
- workplace procedures specific to production activities using joinery machines:
 - workplace health and safety, with particular emphasis on personal protective equipment (PPE) and equipment lock-out
 - use and maintenance of equipment
 - communication reporting lines
 - recording and reporting cutting process and equipment faults.

Assessment Conditions

Assessment of skills must take place under the following conditions:

- physical conditions:
 - skills must be demonstrated in a forest and forest products factory setting or an environment that accurately reflects workplace conditions
- resources, equipment and materials:
 - 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
 - PPE suitable for cutting and drilling activities
 - a diverse, comprehensive and commercial product range of timber

- manufacturer instructions for use and maintenance of equipment
- template reports for recording processing and equipment faults
- specifications:
 - access to work order for production activities, with specific instructions for the cutting, drilling and storage of timber and timber products
 - access to written workplace procedures for production activities using joinery machines.

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>