



Australian Government

Assessment Requirements for FWPCOT3299 Cut timber or engineered wood product to profile

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 of this unit.

There must be evidence that, on at least one occasion, the individual has:

- cut one or more of the following timber or engineered wood products to profile according to work order and prescribed workplace specifications:
 - dressed timber
 - in-the-rough timber
 - stress and non-stress graded timber
 - preservative treated timber
 - medium density fibreboard
 - laminated veneer
 - chipboard
 - fibreboard
 - coated and/or treated timber products
 - glued laminated timber (glulam)
 - cross-laminated timber (CLT)

In doing the above job, the individual has:

- followed relevant workplace health and safety and environmental protection procedures to complete the work order
- conducted operator maintenance on profiling equipment
- stacked batches of cut timber or engineered wood product safely.

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:

- health and safety hazards or risks related to operating profiling equipment for timber or engineered wood products as identified through risk assessments, manufacturer technical information, regulations and industry health and safety guides
- workplace procedures specific to cutting timber or engineered wood product to profile:
 - health and safety, with particular emphasis on equipment lock-out and the use of personal protective equipment (PPE)
 - use of timber profiling equipment
 - communication reporting lines
 - recording and reporting production outcomes, equipment faults and maintenance requirements
- environmental protection practices for timber manufacturing facilities:
 - cleaning plant, tools and equipment
 - disposing of, recycling and reusing timber and other waste
 - reducing water and energy use
- characteristics of timber or relevant engineered wood product
- storage systems and labelling procedures, including:
 - storage racks
 - storage bays
 - bins
 - stacks
 - pallet boxes
 - modularised storage components
 - temporary stacking bays
- storage layout and categories for:
 - raw materials
 - stacking finished timber products
- typical timber or engineered wood product defects and how they affect the ability to produce quality profiled product:
 - warp
 - wane
 - cupping
 - shakes
 - insect defects
 - knots
 - resin pockets
- range of common profiles and applicable terminology, including:
 - quad
 - beading
 - mouldings
 - shaped beams
 - architraves

- skirting boards
- scotia
- common cutting patterns used to achieve common profiles
- range of feed rates and how they affect production output and quality of the finished product
- purpose, features and operation of equipment used to cut timber or engineered wood product to profile:
 - measuring equipment
 - multi-head planing machines (four siders)
 - spindle moulders
 - routing machines
 - shaping machines
 - machine guides
- methods for assessing cutting blade condition.

Assessment Conditions

Assessment of skills must take place under the following conditions:

- physical conditions:
 - skills must be demonstrated in an environment that accurately represents workplace conditions
- resources, equipment and materials:
 - measuring equipment
 - profiling equipment including one or more of the following: multi-head planing machines (four siders), spindle moulders, routing machines, shaping machines
 - machine guides
 - maintenance tools and equipment for removing and replacing cutting blades
 - consumable profile cutting blades in various shapes and sizes
 - PPE suitable for cutting material to profile
 - timber or engineered wood product suitable for profiling operations
- specifications:
 - manufacturer instructions for use and maintenance of equipment
 - work order with specific instructions for cutting timber or engineered wood product to profile
 - workplace policies and procedures for cutting timber or engineered wood product to profile, including health and safety and emergency procedures and environmental protection procedures
 - template documents for recording production outcomes, equipment faults and maintenance requirements.

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>