



Australian Government

Assessment Requirements for FWPTMM3210 Convert timber

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, operated and maintained sawing machines to cut timber to width and thickness, and has:

- followed work order and relevant workplace health and safety and environmental protection procedures
- followed workplace policies and practices relevant to converting timber of at least one of the following materials:
 - native timber species
 - imported timber species
 - dressed timber
 - in-the-rough timber
 - green timber
 - stress and non-stress graded timber
 - preservative treated timber
 - coated and/or treated timber products
 - beams or laminated beams
- cut material to width and thickness according to work order and within prescribed workplace tolerances
- conducted operator maintenance on a power driven saw
- stacked batches of cut material according to workplace requirements.

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:

- timber conversion processes:
 - re-sawing in-the-rough boards to optimise single boards through cutting away waste edges

- cutting boards into two or more boards, thereby maximising the amount of product in line with the work order
- saw set-up, including setting depth, width and thickness of cut measured from the fence in line with product order and allowing for kerf (width of saw cut)
- storage layout and categories for raw materials and stacking finished materials, including:
 - preparing for transport
 - categorising in common size, length, width and thickness
 - marking lots in line with work order and site requirements
 - locating so as not to block access or passage
- characteristics of timber and timber defects, including:
 - warp
 - wane
 - cupping
 - shakes
 - insect defects
 - knots
 - resin pockets
- cutting patterns and sequences
- tolerances
- saw feed rates
- industry standard cross-sections and lengths
- types of conversion tools and equipment; their purpose, features, operation and basic non-specialist repair and maintenance:
 - measuring equipment
 - automatic feed controlled ripping saws
 - saws with adjustable thickness (sloping table)
 - saws with one blade
 - rip saws
 - table saws
 - bench saws
- methods for assessing saw blade condition
- 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 conversion activities:
 - 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:
 - one or more of the following items of conversion equipment: automatic feed controlled ripping saws, saws with adjustable thickness (sloping table), saws with one blade, rip saws, table saws, bench saws
 - measuring equipment
 - maintenance tools and equipment for saws
 - consumable components, saw blades
 - a diverse, comprehensive and commercial product range of timber
 - PPE suitable for conversion activities
 - template reports for recording of processing and equipment faults
- specifications:
 - manufacturer instructions for use and maintenance of equipment
 - access to work order for conversion activities, with specific instructions for the cutting and storage of timber and timber products
 - access to written workplace procedures for conversion activities.

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>