



Australian Government

Assessment Requirements for FWPTMM3201 Convert timber

Release: 1

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Modification History

Release	Comment
1	<p>Replaces equivalent unit FPITMM3201B Convert timber, 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.</p> <p>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</p>

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 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 in line with work order and within prescribed organisational tolerances
- conduct operator maintenance on an automatic feed controlled rip saw
- stack batches of cut material in line with organizational requirements and OHS regulations

Knowledge Evidence

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

- timber conversion processes including:
 - re-sawing in-the-rough boards to optimize single boards through cutting away waste edges
 - cutting boards into two or more boards thereby maximizing 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
 - stacking finished materials, including
 - preparing for transport
 - categorizing 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 of plant, tools and equipment
 - disposing of, recycling and reusing timber and other waste
- organisational procedures specific to conversion activities:

- 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:

- 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
- personal protective equipment suitable for conversion activities
- manufacturers' instructions for use and maintenance of equipment
- work order for conversion activities with specific instructions for the cutting 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 conversion activities.

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
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Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.education.gov.au/Pages/TrainingDocs.aspx?q=0d96fe23-5747-4c01-9d6f-3509ff8d3d47>