



**Australian Government**

# **Assessment Requirements for FWPCOT2222 Produce laminated beams**

**Release: 1**

# Assessment Requirements for FWPCOT2222 Produce laminated beams

## Modification History

Release	Comment
1	<p>Replaces equivalent unit FPICOT2222B Produce laminated beams, 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:
- prepare and cut boards for beam production in line with individual work orders
- across the above jobs, complete these processes:
  - straight cut timber to length with a vertical cut
  - scarf cut timber at a level, providing a larger end grain surface for bonding
  - strap, pack and label bundles of completed products ready for transportation
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## Knowledge Evidence

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

- environmental protection practices for forest products factory settings:
  - reducing water and energy use
  - cleaning plant, tools and equipment
  - safely disposing of, recycling and reusing timber and other waste
- types of glue used for producing laminated beams; procedures and standards for mixing, curing and applying it
- range of industry standard cross sections, their strength, tolerances and applicable terminology
- assembly sequences

- componentry and construction standards
- typical component defects and how these affect ability to produce a quality finished product:
  - warp
  - wane
  - cupping
  - shakes
  - insect defects
  - knots
  - resin pockets
- storage layout and categories for stacking finished materials
- types of tools and equipment used for producing laminated beams; their purpose, features and operation:
  - measuring equipment
  - assembly jigs
  - docking and trimming saws
  - presses
  - marking equipment
  - glue spreader
  - strapping equipment
- organisational procedures specific to producing laminated beams:
  - workplace health and safety with particular emphasis on equipment lock out
  - use of equipment
  - communication reporting lines
  - recording and reporting production outcomes and equipment faults.
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## Assessment Conditions

The following resources must be made available:

- tools and equipment used to produce laminated beams including:
  - measuring equipment
  - assembly jigs
  - docking and trimming saws
  - presses
  - marking equipment
  - glue spreader
  - strapping equipment
- glue
- personal protective equipment suitable for producing laminated beams
- commercial product range of timber

- manufacturers' instructions for:
  - equipment use
  - mixing and curing glue
- work order and construction plan with specifications for assembling laminated beams
- template documents for recording production outcomes and equipment faults
- organisational procedures for producing laminated beams.

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