



**Australian Government**

# **Assessment Requirements for FWPCOT3242 Lay up timber roof trusses**

**Release: 1**

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## Modification History

Release	Comment
1	<p>Replaces equivalent unit FPICOT3242B Lay up timber roof trusses, 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:

- lay up any of the following trusses in line with an individual work order and construction plan:
  - “A” type truss
  - truncated standard truss
  - girder truss
  - truncated girder
  - jack truss
  - rafter truss
  - gable truss
  - saddle truss
- strap, pack and label completed products ready for transportation.
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## Knowledge Evidence

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

- quality requirements, at a basic level of understanding, of national building codes and standards
- environmental protection practices for assembling timber roof trusses:

- reducing water and energy use
- disposing of, recycling and reusing timber and other waste
- typical timber defects and how these affect ability to produce a quality finished product:
  - warp
  - wane
  - cupping
  - shakes
  - insect defects
  - knots
  - resin pockets
- typical flow of material supply in and out of the roof truss assembly area
- typical assembly sequences and range of techniques used to assemble timber roof trusses
- range of industry standard lengths, cross sections and tolerances and applicable terminology
- typical assembly faults triggering correction to ensure product quality:
  - incorrectly positioned joints
  - timber splits from nailing
  - incorrectly positioned hardware
- purpose, features and operation of equipment used to assemble timber roof trusses:
  - measuring equipment
  - assembly jigs
  - truss tables
  - circular saws
  - docking saws
  - drills
  - nail plate presses
  - staple guns
  - nail guns
  - compressor or compressed air supply
  - marking equipment
  - strapping equipment
- purpose, features and use of assembly componentry
- organisational procedures specific to assembling timber roof trusses:
  - workplace health and safety with particular emphasis on on equipment lock out and use of personal protective equipment
  - communication reporting lines
  - maintaining construction standards
  - recording and reporting production outcomes and equipment faults
  - labelling products for identification and transportation.

## Assessment Conditions

The following resources must be made available:

- tools and equipment used to assemble timber roof trusses:
  - measuring equipment
  - assembly jigs
  - circular saws
  - docking saws
  - drills
  - nail plate presses
  - staple guns
  - nail guns
  - compressor or compressed air supply
  - marking equipment
  - strapping equipment
- assembly hardware:
  - nailing plates
  - gang nails
  - nail gun nails
  - staples
- personal protective equipment suitable for assembling timber roof trusses
- pre-cut sections of timber
- consumable strapping, packaging and labelling materials
- manufacturers' instructions for equipment use
- work order and construction plan with specifications for assembling timber roof trusses
- template documents for recording production outcomes and equipment faults
- organisational procedures for assembling timber roof trusses.

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.

## **Links**

Companion Volume implementation guides are found in VETNet -

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