



Australian Government

Assessment Requirements for FWPCOT3243 Operate a truss press

Release: 1

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Modification History

Release	Comment
1	Replaces equivalent unit FPICOT3243B Operate a truss press, 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. 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

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:

- set up components and press timber trusses, in line with an individual work order and construction plan for each job prescribing different dimensions and numbers of trusses
- for each of the above jobs, strap, pack and label completed products ready for transportation.

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 and pressing timber 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 truss pressing area
- typical truss assembly sequences and range of techniques used to press trusses
- range of industry standard lengths, cross sections and tolerances and applicable terminology
- typical assembly and pressing 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 and press timber trusses:
 - truss presses:
 - roller press
 - platen press
 - C-clamp press
 - assembly equipment:
 - measuring equipment
 - assembly jigs
 - drills
 - staple guns
 - nail guns
 - compressor or compressed air supply
 - marking equipment
 - strapping equipment
- appropriate range of cycle times and pressures used to press trusses until structurally ready
- purpose, features and use of assembly componentry
- organisational procedures specific to operating press 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:

- a truss press which includes one or more of the following:
 - roller press
 - platen press
 - C-clamp press

- computer-automated press
- tools and equipment used to assemble timber trusses:
 - measuring equipment
 - assembly jigs
 - drills
 - 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 operating truss presses
- 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 and pressing trusses
- template documents for recording production outcomes and equipment faults
- organisational procedures for operating truss presses.

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>