



Australian Government

Assessment Requirements for FWPCOT3241 Assemble timber wall frames

Release: 2

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Modification History

Release	Comments
Release 2	This version released with FWP Forest and Wood Products Training Package Version 3.0.
Release 1	This version released with FWP Forest and Wood Products Training Package Version 2.0.

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:

- assemble timber wall frames in line with a work order, construction plans, construction standards and engineering specifications including
 - studs
 - top and bottom plates
 - lintels
 - trimmers
 - nogging
 - bracing
- strap, pack, label and pre-sling 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 timber wall frames:
 - 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 wall frame assembly area
- typical assembly sequences and range of techniques used to assemble timber wall frames
- key components of wall frames and their purpose:
 - studs
 - top and bottom plates
 - lintels
 - trimmers
 - nogging
 - bracing
- 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 wall frames:
 - 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
- purpose, features and use of assembly componentry
- organisational procedures specific to assembling timber wall frames:
 - 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 wall frames:
 - 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
- slinging devices
- personal protective equipment suitable for assembling timber wall frames
- 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 wall frames
- template documents for recording production outcomes and equipment faults
- organisational procedures for assembling timber wall frames.

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>