



Australian Government

**Assessment Requirements for
FWPCOT3309 Assemble timber roof
trusses**

Release: 1

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Modification History

Release	Comments
Release 1	This version released with FWP Forest and Wood Products Training Package Version 6.0.

Performance Evidence

An individual demonstrating competency must satisfy all of the elements and performance criteria in this unit.

There must be evidence that the individual has on at least one occasion:

- assembled a minimum of two of the following:
 - standard type truss
 - truncated standard truss
 - girder truss
 - truncated girder
 - jack truss
 - gable truss
 - saddle/valley truss
- set up and operated a truss press
- labelled, strapped, packed and protected products ready for despatch.

Knowledge Evidence

An individual must be able to demonstrate the knowledge required to perform the tasks outlined in the elements and performance criteria of this unit. This includes knowledge of:

- workplace quality requirements relevant to assembling timber roof trusses
- workplace environmental policy and procedures for disposing of, recycling and reusing waste materials
- workplace safety requirements relevant to assembling timber roof trusses:
 - safe operation of machinery and equipment
 - exposure to excessive noise
 - hazardous manual tasks
 - hazard identification and controls
 - use of personal protective equipment (PPE)

- exposure to dust
- typical timber defects and impact on the finished product:
 - warp
 - wane
 - cupping
 - shakes
 - insect defects
 - knots
 - resin pockets
- processes, procedures and techniques for:
 - flow of material supply in and out of the roof truss assembly area
 - use of assembly componentry
 - assembly sequences and jig and press operation
 - stacking and storing materials
 - labelling products for identification and transportation
 - stacking, binding and protecting finished products ready for despatch
 - workplace communication and reporting lines
 - recording and reporting assembly outcomes and equipment faults
- truss types:
 - standard
 - truncated standard
 - girder truss
 - truncated girder
 - jack truss
 - gable truss
 - saddle/valley truss
- functional and operational features of tools, equipment and machinery for roof truss assembly:
 - electric circular saws
 - docking saws
 - drills
 - staple and nail guns
 - compressor or compressed air supply
 - nail plate presses
 - measuring and marking equipment
 - truss assembly tables
 - assembly jigs
 - strapping equipment
- range of industry standard lengths, cross sections and tolerances and applicable terminology relating to roof trusses

- typical assembly faults triggering correction to ensure product quality:
 - incorrectly positioned joints
 - timber splits from nailing
 - incorrectly positioned connector plates/straps.

Assessment Conditions

Assessment of the skills in this unit of competency must take place under the following conditions:

- physical conditions:
 - skills must be demonstrated in a timber truss fabrication facility or an environment that accurately represents workplace conditions
- resources, equipment and materials:
 - timber products and connector plates
 - assembly tables or jigs to assemble timber roof trusses
 - truss press
- specifications:
 - access to work order or fabrication plan detailing truss assembly to be undertaken
 - access to workplace safety and environmental policies and procedures applicable to assembling timber roof trusses
- relationships:
 - supervisor or team member.

Assessors of this unit must satisfy the requirements for assessors in applicable vocational education and training legislation, frameworks and/or standards.

Links

Companion Volumes, including Implementation Guides, are available at VETNet: - <https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=0d96fe23-5747-4c01-9d6f-3509ff8d3d47>