



Australian Government

Assessment Requirements for FWPCOT3219 Produce standard truss or frame plans and details using computers

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:

- prepare and document computerised plans and details for manufactured timber products in line with an individual design and set of drawing views and notes
- produce computerised drawings, layouts and cutting requirements
- apply mathematical procedures
- develop and select framing layout options and detail framing design
- prepare a package of production and installation advice documents to support interpretation of plans and drawings.
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Knowledge Evidence

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

- applicable building and structural regulations for standard timber wall frames, roof and floor trusses
- common industry terminology for all components of standard timber wall frames, roof and floor trusses
- common industry standard layouts, spacing and sizing dimensions of individual members for standard timber wall frames, roof and floor trusses
- relationship between component loads and supports and spans
- timber species and types that are suitable for the manufacture of standard timber wall frames, roof and floor trusses
- industry software:

- functions and capabilities
- drawing types that can be produced
- design limitations
- methods to input and amend design factors and other data
- methods used to produce structural layout drawings, assembly drawings and component cutting detail
- methods for storing and retrieving drawings and other data
- industry and specific organisational:
 - processes for producing computerised plans and details for standard timber wall frames, roof and floor trusses
 - formats for and inclusions of documents providing production and installation advice
- organisational procedures for preparing and documenting computerised plans and details for standard timber wall frames, roof and floor trusses.

Assessment Conditions

The following resources must be made available:

- computers, keyboards and industry current software programs used to produce plans and details for standard timber wall frames, roof and floor trusses
- designs, plans, drawing views and notes for standard timber wall frames, roof and floor trusses on which to base plan and details
- template documents for developing production and installation advice
- organisational procedures for preparing and documenting computerised plans and details for standard timber wall frames, roof and floor 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>