



Australian Government

Assessment Requirements for FWPTMM5202 Develop, trial and evaluate prototypes

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:

- coordinate the construction and trialling of at least two prototypes/samples from the following sample list:
 - roof, wall and floor frames/trusses
 - staircases
 - door and window frames
 - structural beams
 - specialised pallets or crates
- develop, for each, an individual construction plan and work order to include details of:
 - construction methods and sequence
 - materials to be used and quantities
 - tools and equipment to be used
 - labour requirements
- evaluate trial results, for each prototype, and complete a detailed and accurate report for each, covering:
 - strength
 - durability
 - operational effectiveness against purpose
 - efficiency of construction methods
 - impact of the production process on the environment
 - recommendations for future production processes.
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Knowledge Evidence

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

- prototype trialling and evaluation processes
- features, at an in-depth level of understanding, of timber products subject to trial and evaluation:
 - product purpose
 - options for materials
 - construction componentry and standards
 - construction methods and sequence
 - types of tools and equipment used for construction
- impacts of production process on the environment and environmental protection practices for:
 - reducing water and energy use
 - cleaning of plant, tools and equipment
 - disposing of, recycling and reusing timber and other waste
- certification requirements for trial equipment, tools and materials used during construction phase
- format, content and use of:
 - construction plans and specifications
 - work orders
 - reports evaluating trial outcomes
- organisational standards, policies and procedures for trialing and evaluating prototypes:
 - communication reporting lines for team involved in trials
 - certifying trial equipment, tools and materials
 - documenting plans and reports.

Assessment Conditions

The following resources must be made available:

- computers, keyboards and industry current software programs used to produce construction plans, work orders and reports evaluating trial outcomes
- comprehensive information about the design concept
- templates for:
 - construction plans and specifications
 - work orders
 - reports evaluating trial outcomes
 - certification documents
- relevant personnel for the purposes of communicating information
- organisational standards, policies and procedures for trialing and evaluating prototypes.

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>