



Australian Government

**Assessment Requirements for
FWPTMM4208 Construct prototypes and
samples for timber structures**

Release: 1

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Modification History

Release	Comments
Release 1	This version released with FWP Forest and Wood Products Training Package Version 4.0.

Performance Evidence

An individual demonstrating competency in this unit must satisfy all of the elements and performance criteria of this unit. There must be evidence that, on at least one occasion, the individual has:

- constructed at least two prototypes or samples according to an individual work order and construction plan for two or more of the following types of timber structures:
 - roof, wall and floor frames/trusses
 - staircases
 - door and window frames
 - structural beams
 - specialised pallets or crates
- reviewed each prototype or sample for effectiveness of purpose and efficiency of construction methods
- completed a detailed and accurate report on construction processes, problems and recommended changes.

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:

- health and safety hazards or risks related to constructing prototypes or sample for timber structures as identified through risk assessments, manufacturer technical information, regulations and industry health and safety guides
- workplace procedures specific to constructing prototypes and samples for timber structures:
 - health and safety, including the use of personal protective equipment (PPE)
 - use of equipment for prototype construction
 - communication reporting lines

- recording and reporting construction processes, problems and recommendations for change
- environmental protection practices for forest products factory settings:
 - reducing water and energy use
 - cleaning of plant, tools and equipment
 - disposing of, recycling and reusing timber and other waste
- timber species (native and imported), timber grades and treatments
- common timber characteristics, including defects, products and their uses
- construction sequences
- construction componentry and construction standards
- industry standard cross-sections and lengths
- tools, equipment and assembly hardware used to construct prototypes and samples of timber structures; their purpose, features and operation:
 - measuring equipment
 - assembly jigs
 - nail plate presses
 - nail and staple guns
 - compressor or compressed air supply
 - marking equipment
 - strapping equipment
 - nailing plates
 - gang nails
 - nail gun nails
 - staples.

Assessment Conditions

Assessment of skills must take place under the following conditions:

- physical conditions:
 - skills must be demonstrated in an environment that accurately represents workplace conditions
- resources, equipment and materials:
 - measuring equipment
 - assembly jigs
 - nail plate presses
 - staple guns
 - nail guns
 - compressor or compressed air supply
 - marking equipment
 - strapping equipment
 - assembly hardware

- temporary bracing
- PPE suitable for constructing prototypes and samples
- pre-cut sections of timber suitable for constructing prototypes and samples for timber structures
- specifications:
 - work order and construction plan with specifications for the assembly of prototypes and samples
 - template reports for recording construction processes, problems and recommendations for change
 - workplace procedures for constructing timber prototypes and samples, including health and safety and emergency procedures and environmental protection procedures.

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>