



Australian Government

**Assessment Requirements for
FWPTMM5207 Assess timber product
designs for feasibility**

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:

- assessed and determined the feasibility of designs for three or more of the following product types:
 - pallets
 - crates
 - trellises
 - stairs
 - doors
 - windows
 - frames
 - beams
 - roof trusses
 - floor systems
 - wall frames
 - panelised and modular prefabricated timber building systems
- developed a set of assessment criteria and weighted scoring system to include details of:
 - functionality
 - safety
 - environmental impacts of product use
 - environmental impacts of product production
 - cost-effectiveness of production
 - marketability
 - competitiveness with similar products on the market
- completed a detailed and accurate report for each assessment providing the outcomes.

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:

- product feasibility issues, including:
 - environmental impacts of product use and potential to minimise those impacts
 - functionality (ease of use and application together with its relevance for the desired purpose)
 - safety (potential to cause danger to someone or something and possibility for litigation against the enterprise)
 - environmental impacts of product production and the associated cost to the business
 - cost-effectiveness of the production
 - marketability (the potential for sale of the product)
 - competitiveness with similar products on the market
- sources of information on competitors' current products and price structure
- features, at an in-depth level of understanding, of production processes:
 - options for materials
 - construction methods and sequence
 - types of tools and equipment used for construction
- format, content and use of criteria for assessing the feasibility of designs:
 - qualitative and quantitative assessment criteria
 - scoring systems
 - weighting of scores according to the importance of the issue
- workplace procedures for:
 - determining design assessment criteria and completing assessments
 - communication reporting lines
 - recording and reporting assessment outcomes.

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:
 - computers, keyboards and software programs used to produce assessment documents and reports on assessment outcomes
 - workplace procedures for design assessment activities
 - comprehensive information about the design concept
 - templates for assessment documents and reports on assessment outcomes.

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>