



Australian Government

Assessment Requirements for FWPTMM5201 Assess product feasibility of designs

Release: 1

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Modification History

Release	Comment
1	Replaces equivalent unit FPITMM5201B Assess product feasibility of designs, which was first released with FPI11 Forest and Forest Products Training Package Version 2.2. This is the first release of this unit in the new standards format. Assessment requirements now specify the performance and knowledge evidence, as well as assessment conditions for this unit of competency. These sections simplify and replace components used in the previous unit format, including Required Skills and Knowledge, Evidence Guide and Range Statement

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:

- assess and determine the feasibility of designs for one or more of the following product types:
 - pallets
 - crates
 - trellises
 - stairs
 - doors
 - windows
 - frames
 - beams
 - roof trusses
 - floor systems
 - wall frames.
- develop 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
- complete a detailed and accurate report for each assessment providing the outcomes.

Knowledge Evidence

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

- product feasibility issues, including:
 - environmental impacts of product use and potential to minimize
 - functionality – ease of use and application together with its relevance for desired purpose
 - safety – potential to cause danger to someone or something and potential for litigation against the enterprise
 - environmental impacts of product production and associated cost to the business
 - cost effectiveness of production
 - marketability - 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 feasibility of designs:
 - qualitative and quantitative assessment criteria
 - scoring systems
 - weighting of scores according to importance of issue
- organisational procedures for:
 - determining design assessment criteria and completing assessments
 - communication reporting lines
 - recording and reporting assessment outcomes.
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Assessment Conditions

The following resources must be made available:

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

- assessment documents
- reports on assessment outcomes
- relevant personnel for the purposes of communicating information
- organisational procedures for design assessment activities.

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.
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Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.education.gov.au/Pages/TrainingDocs.aspx?q=0d96fe23-5747-4c01-9d6f-3509ff8d3d47>