



Australian Government

FWPTMM5207 Assess timber product designs for feasibility

Release: 1

FWPTMM5207 Assess timber product designs for feasibility

Modification History

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

Application

This unit of competency describes the skills and knowledge required to systematically analyse, assess and determine the feasibility of timber product designs for use into a commercially viable production.

The unit applies to individuals who work as timber designers and production managers in a timber manufacturing facility. They generally demonstrate autonomy, judgement and defined responsibility in known or changing contexts and within broad but established parameters.

No licensing, legislative, regulatory or certification requirements apply to this unit at the time of publication.

Pre-requisite Unit

Nil

Unit Sector

Timber Manufactured Products

Timber Merchandising

Elements and Performance Criteria

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
1. Analyse design objectives	1.1 Identify design purpose and investigate potential market for the product 1.2 Analyse intended production materials and processes
2. Determine design assessment criteria	2.1 Establish criteria for assessment of product material options 2.2 Establish criteria for assessment of product functionality

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	<p>2.3 Establish criteria for assessment of production process options, considering the impact of these on production operations</p> <p>2.4 Establish criteria for assessment of safety and potential liability issues</p> <p>2.5 Establish criteria for assessment of costs and marketability</p> <p>2.6 Determine weighting of scores for each criterion according to the importance of the issue</p>
3. Apply the assessment criteria	<p>3.1 Select potential and actual products competing in the marketplace for comparative purposes</p> <p>3.2 Score and grade design against established criteria and record results</p> <p>3.3 Score and grade competing products against the established criteria and record results</p> <p>3.4 Record overall assessment results</p>
4. Establish feasibility and options	<p>4.1 Analyse assessment results for the design and competing products</p> <p>4.2 Reject designs that show poor assessment results and provide no potential for variation</p> <p>4.3 Identify designs that show poor assessment results but provide potential options for variation, and refer to appropriate personnel</p> <p>4.4 Identify designs that satisfy criteria and indicate the potential for success</p> <p>4.5 Conditionally endorse feasible designs, record conditions and refer to appropriate personnel</p> <p>4.6 Record assessment outcomes and maintain and process reports according to workplace procedures</p>

Foundation Skills

This section describes those language, literacy, numeracy and employment skills that are essential for performance in this unit of competency but are not explicit in the performance criteria.

Skill	Description

Skill	Description
Writing	<ul style="list-style-type: none"> Document qualitative and quantitative assessment criteria
Numeracy	<ul style="list-style-type: none"> Calculate the total score for the assessment through simple addition
Navigate the world of work	<ul style="list-style-type: none"> Source, collect and organise data to inform design assessment Efficiently and logically manage operational logistics for the assessment process
Interact with others	<ul style="list-style-type: none"> Use modes of communication suitable for the purpose to confirm and clarify understanding
Get the work done	<ul style="list-style-type: none"> Use a computer, keyboard and software to prepare assessment documents and reports

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
FWPTMM5207 Assess timber product designs for feasibility	FWPTMM5201 Assess product feasibility of designs	Updated range of products in performance evidence and foundation skills; clarified the intent of unit; updated frequency and volume of the performance evidence; changed unit title and code for consistency with the updates and compliance.	Equivalent unit

Links

Companion Volumes, including Implementation Guides, are available at VETNet: - <https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=0d96fe23-5747-4c01-9d6f-3509ff8d3d47>