



Australian Government

MSFFDM5008 Evaluate design proposals and concepts

Release: 1

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Modification History

Release 1. Unit code and title changed. Application changed. Elements and Performance Criteria changed. Assessment Requirements changed. Supersedes and is not equivalent to:

- MSFFDT4004 Assess environmental impact of a design
- MSFFDT4006 Determine work health and safety (WHS) implications of designs
- MSFFDT5002 Assess and resolve technical integrity of a design
- MSFFDT5010 Evaluate furniture design proposals and concepts
- MSFFDT5011 Assess economic impact of a design
- MSFFDT5009 Determine production feasibility of designs.

Application

This unit describes the skills and knowledge required to establish design evaluation criteria, apply those criteria and determine the feasibility of designs for commercially viable production, usually as part of a collaborative process. It may involve original design or adaptations developed by self or others.

This unit applies to individuals working in a manufacturing or design studio environment who use specialised knowledge and critical thinking to evaluate and use diverse and potentially complex information.

No licensing or certification requirements exist at the time of publication. Relevant legislation, industry standards and codes of practice within Australia must be applied.

Competency Field

Furniture design and manufacturing – general

Elements and Performance Criteria

Elements	Performance Criteria
Elements describe the essential outcomes.	Performance criteria describe the performance needed to demonstrate achievement of the element.
1. Establish design evaluation criteria and process	1.1 Analyse original design brief as basis for developing evaluation criteria 1.2 Identify and analyse business objectives and capacity in determining evaluation criteria 1.3 Establish scope of creative and operational criteria required for design evaluation and gather all relevant information 1.4 Identify and select products which are competitors or potential

	competitors in marketplace for comparative purposes 1.5 Identify all those involved in evaluation process and establish communication 1.6 Determine evaluation criteria and process through collaboration and review of information 1.7 Document criteria and process in accordance with workplace requirements
2. Apply evaluation criteria	2.1 Evaluate competitive products and proposed design against all criteria in accordance with agreed process 2.2 Use collaboration and critical thinking in evaluation process 2.3 Document outcomes in accordance with agreed process
3. Determine feasibility and options	3.1 Analyse evaluation outcomes of proposed design and competitive products using critical analysis skills 3.2 Identify potential design improvements as part of evaluation process 3.3 Make determination about potential for designs to be progressed based on agreed process 3.4 Complete and process evaluation records in accordance with workplace requirements

Foundation Skills

This section describes those language, literacy, numeracy and employment skills that are essential to performance but not explicit in performance criteria.

- Numeracy skills to understand technical information product and production costings.
- Reading skills to interpret design proposals and business information.
- Writing and oral communication skills to document evaluation records

Other foundation skills essential to performance are explicit in the performance criteria of this unit of competency.

Unit Mapping Information

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Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=0601ab95-583a-4e93-b2d4-cfb27b03ed73>

Assessment Requirements for MSFFDM5008 Evaluate design proposals and concepts

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Performance Evidence

There must be evidence the candidate has completed the tasks outlined in the elements and performance criteria of this unit, and demonstrated the ability to:

- evaluate three different design proposals and concepts, that each consider all of the following:
 - adherence to brief
 - design process and its application
 - functionality
 - the application and use of design to meet the elements and principles of design and ergonomics
 - marketability
 - production considerations:
 - materials
 - production process and impacts on overall business operations
 - safety
 - costs
 - profitability
 - sustainability
 - technical integrity.

Knowledge Evidence

There must be evidence the candidate has knowledge of:

- nature and scope of the design evaluation process:
 - who is involved – roles, responsibilities and interrelationships
 - process and key stages

- documentation requirements
- role of collaboration
- elements and principles of design, their interrelationships and how they can be used to create good design
- how to establish evaluation criteria against which a design needs to be evaluated and key considerations:
 - adherence to brief
 - compliance
 - design process and its application
 - functionality
 - profitability
 - application of elements and principles of design
 - production considerations
 - marketability
 - sustainability
 - technical integrity
- manufacturing technologies in the relevant industry sector
- processes that support critical analysis and how to use them, including:
 - comparing
 - contrasting
 - reflecting
 - distinguishing relevant from irrelevant.

Assessment Conditions

Skills must have been demonstrated in the workplace or in a simulated environment that reflects workplace conditions and contingencies. The following conditions must be met for this unit:

- use of suitable facilities, equipment and resources, including:
 - design briefs
 - proposed designs.

Assessors must satisfy the NVR/AQTF mandatory competency requirements for assessors.

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