



Australian Government

MSFFDM4010 Prepare and present design and manufacturing information

Release: 1

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Modification History

Release 1. Unit code and title changed. Application changed. Elements and Performance Criteria changed. Range of Conditions removed and relevant content moved to Assessment Requirements. Assessment Requirements changed to remove content duplicated with Performance Criteria, and volume/frequency of evidence added. Supersedes and is not equivalent to MSFFDT4007 Prepare and present furniture design information.

Application

This unit describes the skills and knowledge required to prepare and present information about design concepts and the associated manufacturing proposals in response to a design brief.

This unit applies to individuals who analyse and use information from a wide range of sources as part of the design process. They may work alone or as a member of a collaborative design/manufacturing team.

No licensing or certification requirements apply to this unit 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
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
1. Plan for presentation of information	1.1 Review, confirm and clarify design brief with appropriate personnel 1.2 Assess type and quantity of information to be presented based on design brief 1.3 Develop a presentation methodology suited to audience and select equipment and software appropriate to chosen methodology
2. Prepare information	2.1 Collate and prepare drawings for presentation that include both concept and construction information 2.2 Gather prototypes and samples from design process and prepare for presentation to suit audience needs

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	2.3 Source and prepare supporting written information about design, proposed manufacturing process and potential options 2.4 Include information about all stages of manufacturing process
3. Present information	3.1 Present recommendations in a format and level of detail suited to client and scope of the project 3.2 Articulate rationale for chosen solution and present to client 3.3 Seek client feedback on proposed solution and use feedback in design process

Foundation Skills

The Foundation Skills describe those required skills (such as, language, literacy, numeracy and employment skills) that are essential to performance but not explicit in the performance criteria.

- Numeracy skills to interpret technical information.
- Reading skills to interpret design briefs and other relevant information.
- Writing and oral communication skills to record and report on design and manufacturing information.

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

Unit Mapping Information

Release 1. Supersedes and not equivalent to MSFFDT4007 Prepare and present furniture design information.

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 MSFFDM4010 Prepare and present design and manufacturing information

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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:

- prepare and present design and manufacturing information for two different products that includes:
 - two types of drawings (sketches, working drawings, digital drawings or manual drawings)
 - information on materials, and construction techniques or manufacturing technologies, and finishing
 - one of maquettes, prototypes or samples
 - selection of workplace technology including communication and design software that shows consideration of audience
 - selection and implementation of one or more methods to review the effectiveness of the presentation.

Knowledge Evidence

There must be evidence the candidate has knowledge of:

- information collection methods that support presentation development and delivery
- communication protocols
- elements and principles of design
- application and use of ergonomic and anthropometric data (or factors) in design projects
- presentation methods for communicating elements and principles of design
- manufacturing methodologies being presented, including their advantages and disadvantages.
- digital and non-digital presentation methods options for presentation methodology, and the advantages and disadvantages and associated equipment requirements for presenter and audience:
 - presentation boards
 - portfolios
 - photography

- video and remote delivery
- other forms of multimedia.

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
 - current information technology including design software for preparation of information.

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

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