



Australian Government

MSFDN4001 Produce drawings from design concepts

Release: 1

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Modification History

Release 1 - New unit of competency

Application

This unit of competency covers producing manual and computer-aided drawings of furnishing objects from design concepts intended for use in a furnishing industry production or manufacturing environment.

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

Pre-requisite Unit

Competency Field

Unit Sector

Furnishing design

Elements and Performance Criteria

Elements describe the essential outcomes.

Performance criteria describe the performance needed to demonstrate achievement of the element.

1	Prepare for the task	1.1	Work health and safety (WHS) requirements, including personal protection needs, are observed throughout the work
		1.2	Purpose and operational characteristics of object to be drawn are identified
		1.3	Production materials and methods are identified
2	Establish design requirements and limitations	2.1	Type of drawing to be completed is identified
		2.2	Design concept requirements are established and documented identifying dimensions, angles, shapes and finished size
		2.3	Drawing conventions and specifications to be noted on the drawing are identified

		2.4	Appropriate medium for drawings is identified and selected
3	Quantify and draft initial drawing	3.1	Dimensions are plotted from prototype sketch and documented specifications
		3.2	Dimensional points are connected to match appropriate drawing view
		3.3	Any production notes or special requirements are noted
		3.4	Drawing conventions and specifications are noted on the documentation
4	Complete drawing	4.1	Angles, shapes and dimensions are checked against specifications and concept prototype drawing
		4.2	Adjustments are made to the drawing within scope of authority
		4.3	Drawing is checked for compliance with workplace documentation requirements

Foundation Skills

Foundation skills essential to performance are explicit in the performance criteria of this unit of competency. Detail on appropriate performance levels for each furnishing unit of competency in reading, writing, oral communication and numeracy utilising the Australian Core Skills Framework (ACSF) are provided in the Furnishing Training Package Implementation Guide.

Range of Conditions

Specifies different work environments and conditions that may affect performance. Essential operating conditions that may be present (depending on the work situation, needs of the candidate, accessibility of the item, and local industry and regional contexts) are included. Range is restricted to essential operating conditions and any other variables essential to the work environment.

Unit context includes:

- WHS requirements, including legislation, building codes, material safety management systems, hazardous and dangerous goods codes, and local safe operating procedures or equivalent
- work is carried out in accordance with legislative obligations, environmental legislation, relevant health

- regulations, manual handling procedures and organisation insurance requirements
 - work requires individuals to demonstrate discretion, judgement and problem solving
 - work is performed with little external assistance and with minimal supervision or direction
 - drawing is to be undertaken in accordance with established industry and/or enterprise practices and procedures
 - customers may be internal or external
 - manual and computer-aided processes and two and three-dimensional
- Drawings include:**
- Tools and equipment include:**
- drafting table
 - drawing aids
 - computing equipment and workstation
 - special lighting conditions
- Materials include:**
- drawing
 - computing consumables
- Personal protective equipment includes:**
- that prescribed under legislation, regulations and enterprise policies and practices
- Information and procedures include:**
- work procedures/instructions
 - designer's concept and specifications/instructions
 - legislation/regulations/codes relevant to the work undertaken
 - furniture design principles and criteria, including ergonomic requirements
 - quality and Australian Standards and procedures, and workplace procedures relating to reporting and communication
 - manufacturer specifications and operational procedures

Unit Mapping Information

Supersedes and is equivalent to LMFDN4001B Produce drawings from design concepts

Links

Companion Volume implementation guides are found in VETNet -

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