



Australian Government

MSTGN3025 Draw 3D designs

Release: 1

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Modification History

Release 1. Unit Code and Application changed. Very minor title change to remove hyphen. Elements and Performance Criteria simplified with Element 1 removed. Foundation Skills field populated. Range of Conditions removed with relevant information moved to other areas of unit. Assessment Requirements clarified with generic foundation skills statements moved to appropriate section and duplication with Performance Criteria removed. Supersedes and is equivalent to MSTGN3006 Draw 3-D designs.

Application

This unit describes the skills and knowledge required to draw 3D designs for textile, clothing and footwear (TCF) products. The 3D drawings feature all perspectives of the product and are used as a communication tool for construction or promotional purposes. The drawing may be manual or digital.

This unit applies to individuals drawing in accordance with a pre-determined design.

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

Generic

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. Prepare for drawing	1.1 Obtain and interpret information that informs drawing requirements 1.2 Identify features, specifications and quality criteria for drawing to be completed 1.3 Select and prepare drawing tools and equipment based on job requirements
2. Apply 3D drawing techniques	2.1 Draw design of product showing relevant wearing or placement angles 2.2 Draw all required views of the product 2.3 Confirm drawing with relevant people and make necessary adjustments to meet requirements

Elements	Performance Criteria
Elements describe the essential outcomes.	Performance criteria describe the performance needed to demonstrate achievement of the element.
3. Finalise 3D designs	3.1 Render finalised drawing according to requirements 3.2 Select presentation materials, tools and equipment suited to the drawing 3.3 Apply appropriate visual presentation techniques to final illustration 3.4 File and store documentation in accordance with workplace procedures

Foundation Skills

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

- Reading skills to interpret product and design information.

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

Unit Mapping Information

Supersedes and is equivalent to MSTGN3006 Draw 3-D designs.

Links

Companion Volume implementation guides are found in VETNet – -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=a203ec5c-de7d-406b-b3e1-8f1a9b76e92e>

Assessment Requirements for MSTGN3025 Draw 3D designs

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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:

- create and present an accurate 3D drawing of at least three different products, incorporating front, back and profile views.
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Knowledge Evidence

There must be evidence the candidate has knowledge of:

- sources of information that inform drawing requirements
- how to interpret different product parts and features
- drawing tools and equipment, including:
 - use of drawing templates for different types of TCF product drawings
 - presentation materials, tools and equipment
- rendering techniques, including:
 - solid colour
 - wash
 - felt pens
 - gouache
 - pen and ink
 - pencil
 - shading
- visual presentation methods for drawings, including:
 - mounting
 - display of different angles of product
 - production notes
 - electronic methods
- traditional and non-traditional materials
- quality criteria for completed drawings

- recording and reporting practices.
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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 information on which drawings are based
 - drawing tools and equipment (manual or digital).

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

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