



Australian Government

MSTTD5010 Produce computer-aided textile design folios

Release: 2

MSTTD5010 Produce computer-aided textile design folios

Modification History

Release 2. Supersedes and is equivalent to MSTTD5010 Produce computer-aided textile design folios (Release 1).

Pre-requisite unit, MSTGN2009 Operate computing technology in a TCF workplace, is **superseded by** MSTGN2014 Operate computing technology in a TCF workplace.

Release 1. Supersedes and is equivalent to LMTTD5010A Produce computer aided textile design folios.

Application

This unit of competency covers the skills and knowledge required to use computer-aided design (CAD) programs to produce textile design folios.

The unit of competency applies to creative and technical skills to plan and create textile design folios, and develop and manipulate folio content. Folio requirements are determined in consultation with the client and through analysis of design specifications.

Work may be conducted in small to large scale enterprises and may involve individual and team activities.

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

Pre-requisite Unit

MSTGN2 014 Operate computing technology in a TCF workplace

Competency Field

Textile design and development

Unit Sector

Not applicable

Elements and Performance Criteria

Elements describe the essential outcomes.

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

- | | | |
|---|---|--|
| 1 | Determine job requirements | <ul style="list-style-type: none">1.1 Follow standard operating procedures (SOPs)1.2 Comply with work health and safety (WHS) requirements at all times1.3 Use appropriate personal protective equipment (PPE) in accordance with SOPs1.4 Identify job requirements from specifications, drawings, job sheets or work instructions |
| 2 | Prepare to produce design folios | <ul style="list-style-type: none">2.1 Consult client to review the textile design specifications and determine folio requirements2.2 Analyse and determine purpose and type of digital folio in line with objectives and audience requirements2.3 Identify and analyse design themes and styles of textile design in line with folio objectives2.4 Determine preliminary planning, and explore options for content and presentation2.5 Confirm folio objectives and document |
| 3 | Plan folio presentation | <ul style="list-style-type: none">3.1 Determine folio parameters and specifications and use planning processes according to the needs of the folio3.2 Select and prepare CAD software, programs and equipment according to specifications and workplace procedures3.3 Determine editing and layout requirements and select relevant applications3.4 Develop folio plan and confirm presentation with client or relevant personnel |
| 4 | Use electronic tools to create folio | <ul style="list-style-type: none">4.1 Use design programs and equipment to create design folio4.2 Apply editing software to edit and manipulate folio content to effectively illustrate features of the textile materials, designs and products |

- 4.3 Assess folio against requirements and objectives and present to appropriate personnel for review
- 4.4 Identify and implement improvements and finalise folio
- 4.5 Store design folio, organise and file to enable retrieval as required

Foundation Skills

This section describes those required skills (language, literacy and numeracy) that are essential to performance.

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

Range of Conditions

This field allows for 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.

Workplace procedures include one or more of the following:

- requirements prescribed by legislation, awards, agreements and conditions of employment
- SOPs
- work instructions
- PPE
- oral, written and visual communication
- quality practices, including responsibility for maintenance of own work quality and contribution to quality improvement of team or section output
- housekeeping
- tasks related to environmental protection, waste disposal, pollution control and recycling
- WHS practices

Textile designs include one or more of the following:

- woven textile designs
- knitted textile designs
- non-woven textile designs
- domestic and industrial products

Folio parameters include one

- file size

or more of the following:

- layout
- method or program used to present folio to an audience
- folio storage and retrieval needs
- web-based folio requirements

Folio specifications include one or more of the following:

- image types and size
- text types and size
- theme
- colour schemes
- multimedia content
- graphics
- animation
- audio

Equipment include one or more of the following:

- desk top computer
- notebook computers
- laptop
- ipad

Electronic tools include one or more of the following:

- colour scanners
- laser or inkjet printers (film output, film separations)
- drawing tablets
- data projector
- networked file storage and back up devices
- digital cameras

Unit Mapping Information

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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 MSTTD5010 Produce computer-aided textile design folios

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Performance Evidence

Evidence required to demonstrate competence in this unit must be relevant to and satisfy the requirements of the elements and performance criteria, and include:

- reading and following work instructions, standard operating procedures (SOPs), safe work practices
- consulting with client and relevant personnel
- determining folio objectives and specifications
- selecting and using appropriate computer-aided design (CAD) and editing programs and equipment
- presenting features of textile materials and designs using electronic tools
- planning, developing and producing at least two (2) design folios in line with objectives and requirements
- using editing software to edit and manipulate folio content to effectively illustrate features of the textile materials, designs and products
- organising, storing and maintaining folio
- applying workplace procedures.

Knowledge Evidence

Evidence must be provided that demonstrates knowledge of:

- safe work practices and procedures and use of personal protective equipment (PPE)
- principles of design and layout
- CAD and editing software
- equipment and program features
- tools and procedures for editing
- objectives and techniques applied in folio development
- features of textile materials and designs
- quality standards
- workplace procedures

- practices for documenting and reporting on textile designs.

Assessment Conditions

- Assessors must:
 - satisfy the assessor competency requirements that are in place at the time of the assessment, as set by the VET regulator
 - have vocational competency in producing computer-aided textile design folios, at least to the level being assessed, with relevant industry knowledge and experience.
- Assessment should occur in operational workplace situations. Where this is not possible, or where personal safety or environmental damage are limiting factors, assessment must occur in a sufficiently rigorous simulated environment reflecting realistic operational workplace conditions. This must cover all aspects of workplace performance, including environment, task skills, task management skills, contingency management skills and job role environment skills.
- Assessment processes and techniques must be appropriate to the language, literacy and numeracy requirements of the work being performed and the needs of the candidate.
- Conditions for assessment must include access to all tools, equipment, materials and documentation required, including relevant workplace procedures, product and manufacturing specifications associated with this unit.

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