



Australian Government

MSTGN5016 Develop textile designs using digital software

Release: 1

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Modification History

Release 1. Unit Code, Title and Application changed. Elements and Performance Criteria simplified with Element 1 removed. Foundation Skills field populated. Range of Conditions removed. Assessment Requirements clarified with generic foundation skills statements moved to appropriate section and duplication with Performance Criteria removed. Supersedes and is equivalent to MSTTD5007 Develop textile designs using computer based design programs.

Application

This unit describes the skills and knowledge required to create designs and production specifications for woven, knitted, printed or experimental textile products using digital programs. Programs may be generic or specialised to textile applications. The focus of the unit is on the skills to use digital software features.

This unit applies to textile designers.

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

Pre-requisite Unit

Nil

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. Establish digital design requirements	1.1 Analyse design brief and interpret textile design specifications 1.2 Identify product considerations and production requirements 1.3 Identify and plan work using suitable programs and equipment
2. Use design programs	2.1 Use design programs and equipment to create, modify and edit required designs and production specifications 2.2 Use design programs and equipment to test designs, patterns and production specifications according to workplace procedures 2.3 Present outputs to appropriate personnel to assess accuracy and

Elements	Performance Criteria
Elements describe the essential outcomes.	Performance criteria describe the performance needed to demonstrate achievement of the element.
	completeness and make required modifications
3. Assess design results and maintain systems	3.1 Assess outputs generated using digital design programs against design specifications and production requirements 3.2 Identify and make improvements based on design and work requirements 3.3 Store, organise and protect designs, patterns and specifications to enable future access and use

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 design specifications
- Numeracy skills to create and manipulated numerical data in software applications.

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

Unit Mapping Information

Supersedes and is equivalent to MSTTD5007 Develop textile designs using computer based design programs.

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 MSTGN5016 Develop textile designs using digital software

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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:

- use at least two design programs to create designs and production specifications for textile products, demonstrating correct use of all of the following:
 - operating procedures
 - program features
 - editing tools and procedures
 - filing and storage procedures.
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Knowledge Evidence

There must be evidence the candidate has knowledge of:

- elements and principles of design
- types of textile products, including woven, knitted, printed and experimental textiles
- at least two digital software programs used for textile design, including:
 - operating procedures
 - program features
 - editing tools and procedures
 - filing and storage procedures
- computer hardware requirements
- role of digital design in textile work.
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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
- computer hardware
- design software.

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

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