



Australian Government

MSTTD6004 Create and produce textile designs for commercial production

Release: 1

MSTTD6004 Create and produce textile designs for commercial production

Modification History

Release 1. Supersedes and is equivalent to LMTTD6004A Create and produce textile designs for commercial production

Application

This unit of competency covers the skills and knowledge required to design and produce textile products for commercial production.

The unit of competency applies to analysing market opportunities and developing a design brief, leading to development of product design and production of textile product sample.

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

Nil

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

- 1.1 Follow standard operating procedures (SOPs)
- 1.2 Comply with work health and safety (WHS) requirements at all times
- 1.3 Use appropriate personal protective equipment (PPE) in accordance with SOPs
- 1.4 Identify job requirements from specifications, drawings,

job sheets or work instructions

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| 2 | Prepare to produce textile designs for commercial production | 2.1 | Analyse commercial textile markets |
| | | 2.2 | Develop design concepts |
| | | 2.3 | Evaluate commercial production factors and conduct scoping |
| | | 2.4 | Confirm brief |
| 3 | Present textile designs for approval | 3.1 | Draft textile product designs in line with brief and production estimates and complete documentation |
| | | 3.2 | Present designs to appropriate personnel using a range of presentation tools |
| | | 3.3 | Review textile designs and make modifications, as required |
| | | 3.4 | Accept and confirm final textile design and complete relevant documentation |
| 4 | Produce textile design sample | 4.1 | Obtain and test components and resources required for design |
| | | 4.2 | Identify technical aspects of production |
| | | 4.3 | Complete specification sheet and develop production plan to guide production |
| | | 4.4 | Produce textile sample according to plan and workplace procedures |
| 5 | Test product sample to evaluate design and production processes | 5.1 | Evaluate textile sample against design specifications and design brief |
| | | 5.2 | Test textile sample to ensure it meets quality and performance standards |
| | | 5.3 | Evaluate design to determine any necessary modifications |

		5.4	Evaluate production process to determine necessary improvements
		5.5	Confirm overall evaluation and document process and improvements
6	Finalise textile design	6.1	Consult with design team and production personnel to evaluate and process textile sample design
		6.2	Incorporate modifications to design and production
		6.3	Confirm and document final design

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

Research market includes, but is not limited to:

- commercial and design objectives of the client or

not limited to, one or more of the following:

- workplace
- commercial textile markets
- current and emerging product trends and technologies
- commercial opportunities for textile designs

Market research includes one or more of the following:

- analysis of target market characteristics
- sample testing
- discussions with retailers and suppliers
- discussions with staff and management
- review of media portrayals
- review of fashion shows
- review of current pricing strategies and price points of products

Design concepts include, but are not limited to, one or more of the following:

- applying information from market analysis to develop commercial product ideas
- consulting with design team to analyse and refine product ideas and develop a design brief
- testing design brief with appropriate personnel and market research activities
- confirming design brief and specifications for product development
- documenting brief and specifications
- developing design concepts in line with design brief

Commercial production factors include, but are not limited to:

- determining scope of commercial production
- researching and evaluating means of production
- consulting commercial manufacturer or appropriate personnel to determine production requirements
- estimating and comparing costs associated with commercial production
- comparing and analysing commercial production variables to inform final product design

Means of commercial production include one or more of the following:

- offshore production
- onshore production
- large or long runs
- one-off runs

Appropriate personnel include

- managers, directors

one or more of the following:

- trainer
- mentor
- design team
- production supervisors
- business development staff
- marketing and sales staff
- clients

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 MSTTD6004 Create and produce textile designs for commercial production

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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
- analysing commercial textile markets to identify commercial opportunities
- applying principles and elements of design and developing a design brief for at least two (2) textile designs for commercial production
- evaluating commercial production factors
- developing specification sheet and creating production plan
- producing sample to test design concept and plan
- communicating with a range of industry experts and personnel to evaluate product and process and confirm they comply with design brief
- processing textile design with any necessary modifications to product or process
- confirm final design and finalise documentation.

Knowledge Evidence

Evidence must be provided that demonstrates knowledge of:

- safe work practices and procedures and use of personal protective equipment (PPE)
- commercial markets for textile production
- elements and principles of design
- market research practices and information sources
- scoping processes to identify:
 - target market
 - features and benefits
 - timing
 - economic and social expectations
 - scale of production
- processes in commercial textile design development
- textile production techniques and specifications
- costs:
 - labour

- overheads
- materials
- tooling
- equipment
- yarns
- dyes
- other chemicals or materials
- relevant legislation and codes of practice
- presentation tools:
 - storyboards
 - models
 - computer-aided drawings
 - textile or yarn samples
- workplace procedures
- recording and reporting practices.

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 creating and producing textile designs for commercial production, 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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