



Australian Government

MSTTD5005 Design and produce printed textiles

Release: 1

MSTTD5005 Design and produce printed textiles

Modification History

Release 1. Supersedes and is equivalent to LMTTD5005A Design and produce printed textiles

Application

This unit of competency covers the skills and knowledge required to apply complex textile printing techniques and processes when interpreting and responding to a specified design brief.

The unit of competency applies to a design brief that may be applied to a particular context within the textile industry. The design brief includes specifications for the printed product and may be created manually or by using computer-aided design (CAD) programs.

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

- | | | |
|---|-------------------------------------|---|
| 2 | Develop print design | <ul style="list-style-type: none">2.1 Determine design brief and analyse requirements and specifications to determine parameters for printed textile2.2 Select dyes or pigments, colours and fabric substrates to meet design brief2.3 Conduct research to generate and explore design ideas2.4 Select design concept and communication tools to present design concept to appropriate personnel for feedback2.5 Respond to feedback and modify design concept, as required |
| 3 | Prepare for print production | <ul style="list-style-type: none">3.1 Source and prepare materials and equipment required for production3.2 Identify technical aspects of production3.3 Complete specification sheet to guide production3.4 Select artwork or develop for screen printing applications on textiles3.5 Select and prepare fabrics, colour separations and stencils |
| 4 | Produce printed product | <ul style="list-style-type: none">4.1 Create sample to test accuracy of colour separations, repeat pattern colour, placement and registration4.2 Analyse and evaluate sample and modify technical or design elements, as required, to meet design specifications4.3 Use tools and equipment to print final product according to workplace procedures4.4 Monitor printing to identify and resolve problems or faults4.5 Document processes and effects to ensure exact outcome |

can be replicated

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

Appropriate personnel include one or more of the following:

- clients
- supervisor
- trainer or mentor
- designers
- production supervisors
- colleagues and other workers

Materials for printing include one or more of the following:

- appropriate textile substrates (cotton, wool, silk and hemp)
- appropriate stencil materials (hand cut, photographic, acetate and digital)
- dyes and pigments

Equipment for printing includes one or more of the following:

- screens
- squeegees
- exposure tables
- printing tables

Analyse and evaluate design includes one or more of the following:

- skill and efficiency
- material requirements calculations
- finishing procedures
- design resolution
- quality
- suitability of materials

Products for printing include one or more of the following:

- garments
- furnishing fabrics
- domestic textile products
- accessories
- giftware
- fabrics

Unit Mapping Information

Release 1. Supersedes and is equivalent to LMTTD5005A Design and produce printed textiles

Links

Companion Volume implementation guides are found in VETNet -

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