



**Australian Government**

# **Assessment Requirements for MSTTD5005 Design and produce printed textiles**

**Release: 1**

# Assessment Requirements for MSTTD5005 Design and produce printed textiles

## Modification History

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

## 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 design requirements or parameters
- creating and producing at least two (2) print designs
- applying screen printing techniques
- testing and evaluating design in sample production
- using tools and equipment associated with printing fabric substrates
- resolving design and production problems
- creating sample to test accuracy of colour separations, repeat pattern colour, placement and registration
- analysing and evaluating sample and modifying technical or design elements as required to meet design specifications
- using tools and equipment to print at least two (2) printed textiles according to workplace procedures
- monitoring printing to identify and resolve problems or faults
- documenting processes and effects to ensure exact outcome can be replicated.

## Knowledge Evidence

Evidence must be provided that demonstrates knowledge of:

- safe work practices and procedures and use of personal protective equipment (PPE)
- research and sources of design inspiration:
  - library
  - internet
  - journals
  - articles
  - visits to galleries and museums
  - technical files
  - visual diary work
- uses and characteristics of fabrics, fibres and yarns and fabric substrates
- principles and elements of design

- exploration of design ideas, such as:
  - using computer-aided design (CAD) or other design tools
  - developing design concepts
  - reviewing against requirements
  - considering application, principles of design and elements of design
- effect of printing on textiles and materials
- technical aspects of printing on textiles:
  - specific screen and mesh selection
  - stencil types
  - pre-production processes
  - screen reclamation
  - appropriate dyes or pigments for substrates
  - appropriate finishing techniques (steaming, heat setting, washing and sewing)
  - appropriate quality processes (wash tests, light fastness and rub testing)
  - screen faults (pin holes and poor image)
- tools and equipment associated with printing fabrics and other materials
- textile printing techniques
- requirements or parameters:
  - purpose
  - design specifications, such as colour, yarn type, size and patterns
  - quality standards
  - budget
  - timeline
  - pattern or images
  - reproducibility
  - uniqueness
- specifications:
  - budget
  - type of product
  - style requirements, colours and printing technique
  - application
  - timeline
  - design restrictions or conditions
  - yarn type
  - fabric substrate
- communication tools:
  - inspiration board
  - storyboard
  - design concepts
  - research information

- multimedia tools
- yarn samples
- colour chips
- information resources on fibres, fabrics, materials and printing
- effects of printing on design
- quality practices
- 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 designing and producing printed textiles, 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.

## Links

Companion Volume implementation guides are found in VETNet -

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