



**Australian Government**

# **Assessment Requirements for MSTTD5004 Design and produce experimental textiles**

**Release: 1**

# Assessment Requirements for MSTTD5004 Design and produce experimental textiles

## Modification History

Release 1. Supersedes and is equivalent to LMTTD5004A Design and produce experimental 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
- conducting research to generate and explore design ideas
- selecting design concept and communication tools to present design concept to appropriate personnel for feedback
- responding to feedback and modifying design concept as required
- determining effects of manipulating textiles and other materials
- undertaking 2-D and 3-D manipulation techniques to achieve design effects for at least two (2) samples and according to workplace procedures
- determining production requirements
- evaluating and modifying design and manipulation process
- exploring modifications to design or process using computer-aided design (CAD) or other design tools and communicating with appropriate personnel
- finalising modifications and design and documenting all processes and improvements.

## Knowledge Evidence

Evidence must be provided that demonstrates knowledge of:

- safe work practices and procedures and use of personal protective equipment (PPE)
- uses and performance characteristics of fibres, fabrics and other materials
- elements of design:
  - line
  - shape and silhouette
  - colour
  - texture
  - value
- principles of design:
  - repetition
  - gradation
  - rhythm

- radiation
- harmony
- contrast
- dominance
- proportion
- balance
- unity
- role of manipulation as a production tool
- effect of manipulation on textiles and materials
- tools and equipment associated with manipulating fabrics and other materials
- design tools:
  - sketches
  - illustrations
  - models
  - samples
  - fibres and fabrics
- effects of manipulation on design
- requirements of design brief:
  - purpose
  - design specifications, such as colour, yarn type, size and patterns
  - quality standards
  - budget
  - timeline
  - pattern or images
  - reproducibility
  - uniqueness
- information resources on fibres, fabrics and other materials
- communication tools:
  - inspiration board
  - storyboard
  - design concepts
  - research information
  - multimedia tools
  - yarn samples
  - colour chips
  - colour and fashion forecasting references
  - illustrations
  - production sketches
- 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 experimental 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>