



**Australian Government**

# **Assessment Requirements for MSTTD4005 Produce screen printed textiles**

**Release: 1**

# Assessment Requirements for MSTTD4005 Produce screen printed textiles

## Modification History

Release 1. Supersedes and is equivalent to LMTTD4005A Produce screen 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 specifications and interpreting production requirements
- identifying and addressing faults
- determining effects of printing on woven and non-woven substrates
- making minor adjustments to equipment
- using printing techniques to achieve design effects on samples
- producing screen printed designs on at least three (3) different textiles
- analysing printing process, technique and medium used to determine necessary modifications to printing techniques, processes or materials
- examining outcomes with appropriate personnel and documenting possible modifications to design
- completing required documentation.

## Knowledge Evidence

Evidence must be provided that demonstrates knowledge of:

- safe work practices and procedures and use of personal protective equipment (PPE)
- characteristics of fabrics
- information resources on fibres and fabrics
- printing techniques:
  - registered techniques:
    - multi-coloured
    - print rail
    - registration lays
    - placement printing
    - flatbed repeat printing
    - wet-on-wet
    - flood coat
    - dry pull

- specific design and printing practices
- screen preparation:
  - reclaim
  - de-grease
  - wash and dry
  - apply emulsion
  - registration
  - attach master and expose to light source
- printing processes and practices
- different types of screens and meshes:
  - timber, steel and aluminium framed
  - butt, mitre, nailed, glued, screwed and welded
  - rectangle, rotary, hat and flat bed
- different types of medium:
  - inks
  - dyes
  - specialist inks
  - binders
  - extenders
  - reducers
  - additives
  - thermoset
  - sublimation
- woven and non-woven substrate characteristics
- stencil and printing techniques and equipment
- textile substrates:
  - knitted fabric
  - felt
  - woven fabrics, such as wool, cotton, linen and silk
  - t-shirts
- substrate preparation:
  - laundering
  - pre-shrinking
  - dying
  - pressing
  - stretching
  - stapling to print table
- design outcomes:
  - repeat patterns
  - border designs

- placement prints
- engineered designs
- banners
- finishing:
  - touch up and tape, as required
  - wash image clean and dry
  - curing and heat setting
  - hemming
  - labelling
- 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 producing screen 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>