



**Australian Government**

# **MSTAT4020 Prepare stencils and screens for textile printing**

**Release: 1**

## MSTAT4020 Prepare stencils and screens for textile printing

### Modification History

Release 1. Unit Code and Application changed. Element 1 removed. Foundation Skills field populated. Range of Conditions removed with relevant information moved to Performance or Knowledge Evidence. Assessment Requirements clarified with generic foundation skills statements moved to appropriate section and duplication with Performance Criteria removed. Supersedes and is equivalent to MSTTD4002 Prepare stencils and screens for textile printing.

### Application

This unit describes the skills and knowledge required to interpret design specifications and use stencil or silk-screen printing techniques to produce designs and artwork for textile printing on garments, textile products, furnishing fabrics, accessories or public art commissions. Screen printing involves the use of manual techniques, tools and equipment.

This unit applies to individuals producing work based on a pre-determined design. They use judgement and problem-solving to select and troubleshoot processes to achieve quality outcomes.

No licensing or certification requirements exist at the time of publication. Relevant legislation, industry standards and codes of practice within Australia must be applied.

### Pre-requisite Unit

Nil

### Competency Field

Apparel and Textile Production

### Elements and Performance Criteria

| Elements                                           | Performance Criteria                                                                                                                                                                                                            |
|----------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Elements describe the essential outcomes.          | Performance criteria describe the performance needed to demonstrate achievement of the element.                                                                                                                                 |
| 1. Establish requirements for stencils and screens | 1.1 Analyse design specifications and confirm stencil requirements with appropriate personnel<br>1.2 Identify desired effects of screen printing and select appropriate conversion technique to achieve required design outcome |
| 2. Prepare stencils and screens                    | 2.1 Set up workstation, tools and equipment according to specifications for work                                                                                                                                                |

| Elements                                  | Performance Criteria                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|-------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Elements describe the essential outcomes. | Performance criteria describe the performance needed to demonstrate achievement of the element.                                                                                                                                                                                                                                                                                                                                                                             |
|                                           | 2.2 Prepare and label layouts and select media to prepare stencils<br>2.3 Complete stencils and check against design<br>2.4 Select screen types and mesh for appropriate substrates<br>2.5 Prepare screens for stencil process and check against quality standards<br>2.6 Expose stencil masters according to industry specifications<br>2.7 Develop screen images, dry and finish to meet specifications<br>2.8 Apply screen preparation according to workplace procedures |
| 3. Test screens and stencil quality       | 3.1 Print strike off and check against design specifications to ensure quality standards are met<br>3.2 Identify screen and stencil faults and determine causes<br>3.3 Apply required modifications to screens using appropriate techniques, processes or materials<br>3.4 Complete screens and prepare for production processes<br>3.5 Examine outcomes and check against specifications with appropriate personnel                                                        |

## Foundation Skills

This section describes those language, literacy, numeracy and employment skills that are essential to performance but not explicit in the performance criteria.

- Reading skills to interpret design specifications
- Oral communication skills to discussion requirements and production issues with others
- Numeracy skills to work with basic mathematical operations and measurement concepts.

Other foundation skills essential to performance are explicit in the performance criteria of this unit.

## Unit Mapping Information

Supersedes and is equivalent to MSTTD4002 Prepare stencils and screens for textile printing.

## Links

Companion Volume implementation guides are found in VETNet -

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