



Australian Government

Assessment Requirements for MSTAT4020

Prepare stencils and screens for textile printing

Release: 1

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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.

Performance Evidence

There must be evidence the candidate has completed the tasks outlined in the elements and performance criteria of this unit, and demonstrated the ability to:

- prepare at least two stencils and screens for use with textile printing, with work to include:
 - use of at least one of the following conversion techniques:
 - basic stencils
 - hand cut and hand drawn stencils
 - photosensitive stencils
 - autographic
 - digitally generated stencils
 - multi-coloured separations.

Knowledge Evidence

There must be evidence the candidate has knowledge of:

- safe work practices and procedures and use of personal protective equipment
- characteristics of stencil and screen types, including:
 - timber, steel and aluminium framed
 - butt, mitre, nailed, glued, screwed and welded
 - rectangle, rotary, hat and flat bed
- specific design and printing practices
- design types, including:
 - banners
 - border designs
 - engineered designs
 - placement prints
 - repeat patterns
- printing processes and practices
- different types of screens and meshes, including:

- mesh types:
 - material
 - nylon
 - polyester
 - metal
- colour:
 - white
 - yellow
 - red
- size
- mono or multi-filament
- screen preparation, including:
 - checking for mesh tension
 - degreasing
 - haze removing
 - registration marks applied
 - coating
 - different types of medium
 - ruby litho
 - designers opaque
 - ink
 - black wax crayon
 - digital prints
 - drafting film
 - pen
- conversion techniques
- stencil and printing techniques
- fault-finding procedures, typical fault conditions and how to rectify, including:
 - inaccurate repeat measurements
 - incorrect exposure time used
 - incorrectly stretched screen mesh
 - insufficient print paste used
 - off printing
 - poor quality colour separations
 - poorly developed image
 - poorly registered artwork/separations
 - stencil opacity insufficient
 - uneven screen coating
 - warped screen frames
 - wet coating trough causing pinholes

- recording and reporting practices stencil and screen-printing operations.
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Assessment Conditions

Skills must have been demonstrated in the workplace or in a simulated environment that reflects workplace conditions and contingencies. The following conditions must be met for this unit:

- use of suitable facilities, equipment and resources, including:
 - design specifications
 - stencils and screen-printing materials, tools and equipment
 - workplace procedures.

Assessors must satisfy the NVR/AQTF mandatory competency requirements for assessors.

Links

Companion Volume implementation guides are found in VETNet -

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