



Australian Government

Assessment Requirements for MSTAT4022 Produce screen-printed textiles

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 MSTTD4005 Produce screen printed textiles.

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:

- produce screen-printed designs on at least three different textiles, with work to include:
 - use of at least three types of equipment
 - at least one of the following stencil techniques:
 - hand cut or hand drawn stencils
 - photographic stencils
 - digitally generated stencils.

Knowledge Evidence

There must be evidence the candidate has knowledge of:

- safe work practices and procedures and use of personal protective equipment
- characteristics of fabrics
- information resources on fibres and fabrics
- printing techniques:
 - registered techniques, including:
 - multi-coloured
 - print rail
 - registration lays
 - placement printing
 - flatbed repeat printing
 - wet-on-wet
 - flood coat
 - dry pull
- screen preparation, including:
 - 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
- different types of medium and how they are used, including:
 - inks
 - dyes
 - specialist inks
 - binders
 - extenders
 - reducers
 - additives
 - thermoset
 - sublimation
- stencil and printing techniques and equipment
- textile substrates, how they are prepared and their suitability for different applications based on their characteristics, including:
 - knitted fabric
 - felt
 - woven fabrics
- types of design outcomes for screen-printed textiles, including:
 - repeat patterns
 - border designs
 - placement prints
 - engineered designs
- finishing techniques, including:
 - touch up and tape
 - wash image clean and dry
 - curing and heat setting
 - labelling
- fault-finding procedures, typical fault conditions and how to rectify, including:
 - inaccurate repeat measurements
 - inappropriate fixing of dyes and pigments
 - incorrectly stretched screen mesh
 - insufficient print paste used
 - off printing
 - poor preparation of substrates
 - poor squeegee action

- poorly exposed screen
- poorly registered print
- uneven screen coating
- poor quality colour separations
- recording and reporting practices for 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
 - 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-b3e1-8fla9b76e92e>