



**Australian Government**

**Assessment Requirements for MSTDE3002  
Digitise artwork for computerised  
embroideries**

**Release: 2**

# Assessment Requirements for MSTDE3002 Digitise artwork for computerised embroideries

## Modification History

Release 2. Supersedes and is equivalent to MSTDE3002 Digitise artwork for computerised embroideries (Release 1).

Pre-requisite unit, MSTGN2011 Identify fibres, fabrics and textiles used in the TCF industry, is **superseded by** MSTGN2013 Identify fibres, fabrics and textiles used in the TCF industry.

Release 1. Supersedes and is equivalent to LMTDE3002A Digitise artwork for computerised embroideries.

## 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 and other reference material
- applying relevant standards
- using computer basic operations, installing and navigating software to source and import selected artwork
- preparing materials and equipment for digitising according to design specifications
- applying a range of automatic, semi-automatic and manual digitising techniques to process embroidery design
- selecting and applying a range of fill and outline stitch types, and saving design to library
- completing image to stitch conversion, adding complex fills to selected designs, and making colour selections
- finalising design to optimise productivity and quality, prepare for export and save to library
- preparing designs for output to printer and machine
- demonstrating ability in digitising techniques through production of a variety of at least five (5) embroidery pieces, according to specifications
- maintaining records according to work practices.

## Knowledge Evidence

Evidence must be provided that demonstrates knowledge of:

- safe work practices and procedures and use of personal protective equipment (PPE)
- relevant Australian Standards
- a range of machines: microprocessor or computer control
- embroidery machines: (single or multi-needle) or commercial (single or multi-head) machines

- basic sewing machine operations
- workplace functionality:
  - tool bar
  - navigations
  - icons
  - menus
- basic stitch types:
  - run stitching
  - satin stitching
  - tatami stitching
  - outline
  - fill
- computer basic operations
- access to embroidery designs
- hooping techniques
- hooping accessories
- fabric types and properties:
  - woven
  - non-woven
  - knits
  - lightweight
  - heavyweight
- hoop types and uses:
  - tubular
  - sash
  - screw
  - cap
  - square
  - round
  - spring
- needle types and uses:
  - standard
  - metalfil
  - embroidery eye
  - stretch
- thread types:
  - polyester
  - metallic
  - rayon
  - cotton

- artwork sources
- process images:
  - removal of ‘noise’
  - dithering
  - clean up
- embroidery adjustments:
  - flip
  - rotate
  - mirror image
  - angle
  - copy
  - paste
  - resize
  - reshape
  - proportion
  - position
  - align
  - scale
  - skew
- range of digitising techniques
- fills:
  - contour
  - radial
  - cross-stitch
  - arc
  - spiral
  - satin
  - embossed
  - motifs
- stabilisers, toppings and backings:
  - water soluble
  - tear away
  - iron on
  - cut away
  - varying weights
- design reports:
  - worksheets
  - approval sheets
  - appliqué patterns
  - templates.

## 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 digitising artwork for computerised embroideries, 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>