



Australian Government

MSTDE3006 Digitise text to produce embroidered lettering

Release: 2

MSTDE3006 Digitise text to produce embroidered lettering

Modification History

Release 2. Supersedes and is equivalent to MSTDE3006 Digitise text to produce embroidered lettering (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Pre-requisite unit, MSTGN2011 Identify fibres, fabrics and textiles used in the TCF industry, is **superseded by** MSTGN2013 Identify fibres, fabrics and textiles used in the TCF industry.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 LMTDE3006A Digitise text to produce embroidered lettering.

Application

This unit of competency covers the skills and knowledge required to digitise and produce embroidered lettering.

The unit of competency applies to creating a range of pre-digitised fonts and digitising techniques using industry standard software to produce embroidered lettering. Work involves liaison with specialist embroiderers and digitisers. Work may be conducted in a variety of environments, such as operational workplace activities, or home-based activities.

No licensing, legislative or certification requirements apply to this unit at the time of publication.

Pre-requisite Unit

MSTDE3001 Apply hooping and fabric handling techniques

MSTDE3002 Digitise artwork for computerised embroideries

MSTGN2013 Identify fibres, fabrics and textiles used in the TCF industry

Competency Field

Digitising and computerised embroidery

Unit Sector

Not applicable

Elements and Performance Criteria

Elements	Performance Criteria
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Elements describe the essential outcomes.

Performance criteria describe the performance needed to demonstrate achievement of the element.

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|---|--|-----|---|
| 1 | Determine job requirements | 1.1 | Follow standard operating procedures (SOPs) |
| | | 1.2 | Comply with work health and safety (WHS) requirements at all times |
| | | 1.3 | Use appropriate personal protective equipment (PPE) in accordance with SOPs |
| | | 1.4 | Identify job requirements from specifications, drawings, job sheets or work instructions |
| | | | |
| 2 | Create basic lettering and complex text paths | 2.1 | Confirm work requirements, prepare work area and open software |
| | | 2.2 | Create basic lettering |
| | | 2.3 | Transfer files to machine data library for stitching according to manufacturer specifications |
| | | 2.4 | Introduce complex text paths and use with an existing embroidery file |
| | | 2.5 | Select existing embroidery and combine with text paths |
| | | 2.6 | Save file to library and export to machine for stitching according to manufacturer specifications |
| | | | |
| 3 | Create artistic fonts | 3.1 | Create text embroidery and shadows, fill techniques and colour options to create effects |
| | | 3.2 | Use variations in font style, size and effects for shaping words and achieving precise replication of existing printed material |
| | | 3.3 | Use windings/webdings or equivalent, both as a font and individually as a picture |
| | | 3.4 | Combine windings/webdings with other fonts |
| | | 3.5 | Save file to library and export to machine for stitching according to manufacturer specifications |

- | | | |
|---|----------------------------|---|
| 4 | Create a monogram | 4.1 Select letters and font and adjust for single, double and triple letter monograms
4.2 Use fill techniques and colour options to create effects
4.3 Select appropriate underlay
4.4 Use outline options with and without fill stitches to create effects
4.5 Use tools to adjust images as required
4.6 Save file to library and export to machine for stitching according to manufacturer specifications |
| 5 | Complete embroidery | 5.1 Select fabric, stabiliser, toppings and backings, needles, thread and hoop types, and use according to the design production requirements
5.2 Create embroidery to demonstrate a range of digitised text techniques and inspect against design specifications
5.3 Minimise waste and dispose of according to workplace procedures and environmental guidelines
5.4 Seek feedback and integrate into outcomes
5.5 Document and store artwork |

Foundation Skills

This section describes those required skills (language, literacy and numeracy) that are essential to performance.

Foundation skills essential to performance are explicit in the performance criteria of this unit of competency.

Range of Conditions

This field allows for different work environments and conditions that may affect performance. Essential operating conditions that may be present (depending on the work situation, needs of the candidate, accessibility of the item, and local industry and regional contexts) are included.

Workplace procedures include one or more of the

- requirements prescribed by legislation, awards, agreements and conditions of employment

- following:**
- SOPs
 - work instructions
 - oral, written and visual communication
 - quality practices, including responsibility for maintenance of own work quality and contribution to quality improvement of team or section output
 - housekeeping
 - tasks related to environmental protection, waste disposal, pollution control and recycling
 - WHS practices
- Australian Standards include:**
- the relevant industry or Australian Standards that are current at the time this unit is being undertaken
- Digitised text techniques include the following:**
- basic lettering
 - complex text paths
 - artistic fonts using variation in style, size, colour, wingdings, fill, outline and effects
 - monograms
- Basic lettering includes one or more of the following:**
- introducing stitched letters using basic fonts
 - creating text on a straight line path
 - using bold and italic options
 - adjusting font size to create various size options
 - creating multi-line text embroidery
- Text paths include one or more of the following:**
- arc
 - freehand
 - ellipse
 - angle
 - rotation
- Complex text paths include one or more of the following:**
- creating and adjusting upper and lower arc paths
 - creating and adjusting an ellipse path
 - creating and adjusting a freehand path
 - using above, on and below the line settings with the different paths
 - adjusting individual letter positions (on all above paths)
 - selecting different font styles and using on different paths
 - reviewing effects for suitability to meet design brief

Fills include one or more of the following:

- stamp pattern
- motif fill
- contour
- radial
- cross-stitch

Underlay includes one or more of the following:

- edge run
- centre run
- tatami
- grid
- zigzag
- double zigzag
- complex grid
- complex edge

Adjusting font size includes one or more of the following:

- flip
- rotate
- mirror image
- angle
- copy
- paste
- resize
- reshape
- proportion
- position
- align
- scale
- skew

Unit Mapping Information

Release 2. Supersedes and is equivalent to MSTDE3006 Digitise text to produce embroidered lettering (Release 1).

Release 1. Supersedes and is equivalent to LMTDE3006A Digitise text to produce embroidered lettering.

Links

Companion Volume implementation guides are found in VETNet -

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

Assessment Requirements for MSTDE3006 Digitise text to produce embroidered lettering

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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
- applying relevant standards
- applying creativity to use of colour, texture, shape, balance and composition to create basic lettering and complex text paths
- creating text embroidery and shadows, fill techniques and colour options to create effects
- using variations in font style, size and effects and for shaping words and achieving precise replication of existing printed material
- using a range of techniques to create monograms
- selecting fabric, needles, thread, stabiliser and hoop to meet design specifications
- producing basic digitised lettering, complex text paths, monograms and artistic text
- saving files to library and exporting to machine for stitching according to manufacturer specifications
- demonstrating digitising text techniques through production of at least two (2) embroidered lettering pieces using different fabrics to meet artwork specifications
- seeking and applying feedback to enhance outcomes
- complying with workplace procedures
- documenting and storing artwork.

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
- embroidery machines: domestic (single or multi-needle) or commercial (single or multi-head) machines
- computer navigation to use basic software functions

- machine embroidery techniques
- text path:
 - arc
 - freehand
 - ellipse
 - angle
 - rotation
- stabilisers, toppings and backings:
 - water soluble
 - tear away
 - iron on
 - cut away
 - varying weights
- 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
- workplace policies and procedures
- environmental aspects related to workplace and machine or equipment operation and manual handling

- practices for recording and reporting.

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 text to produce embroidery, 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.

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