



Australian Government

MSTDE3006 Digitise text to produce embroidered lettering

Release: 1

MSTDE3006 Digitise text to produce embroidered lettering

Modification History

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

MSTGN2011 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 describe the essential outcomes.

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

- | | | | |
|---|-----------------------------------|-----|--|
| 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 following:

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

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Links

Companion Volume implementation guides are found in VETNet -

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