



Australian Government

MSTDE3008 Produce embroidery from digitised images

Release: 1

MSTDE3008 Produce embroidery from digitised images

Modification History

Release 1. Supersedes and is equivalent to LMTDE3008A Produce embroidery from digitised images

Application

This unit of competency covers the skills and knowledge required to set machine operations and produce embroidery from digitised images.

The unit of competency applies to computerised embroidery machine operation skills where the image and digitised file has been provided.

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

Nil

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

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|---|--------------------------------------|--|
| 2 | Prepare to produce embroidery | <ul style="list-style-type: none">2.1 Confirm embroidery work requirements and artwork specifications2.2 Access artwork file and import into working area and navigate software to direct production2.3 Select embroidery materials and prepare according to fabric and work requirements2.4 Perform routine minor maintenance according to manufacturer specifications2.5 Assess and adjust needle sequence, thread tension and speed, and hoop |
| 3 | Produce embroidery | <ul style="list-style-type: none">3.1 Check machine operation and adjust to ensure optimum performance3.2 Manage production problems, such as thread breaks3.3 Complete a range of images, including embroidered lettering, monograms and motifs on items such as hats, T-shirts and other simple garments, according to work specifications3.4 Assess production efficiencies and identify areas for improvement3.5 Minimise waste and dispose of according to environmental guidelines |
| 4 | Check and finalise work | <ul style="list-style-type: none">4.1 Inspect embroidery against work requirements and artwork specifications4.2 Finish work and prepare for despatch4.3 Complete documentation |

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

Embroidery work requirements include the following:

- checking machine functionality to confirm capacity for work
- confirming material requirements
- assessing garment or item and fabric to be embroidered

Artwork specifications include one or more of the following:

- content
- colour
- size, including width and length
- stitch type and size
- font
- fill

- Software includes:**
- any software classed as a digitising software (as opposed to customising or editing software)
- Minor maintenance includes the following:**
- checking and replacement of needles, attachments and/or parts
 - oiling of machine parts
 - removal of lint or fabric

Unit Mapping Information

Release 1. Supersedes and is equivalent to LMTDE3008A Produce embroidery from digitised images

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 MSTDE3008 Produce embroidery from digitised images

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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 and other reference material
- applying relevant standards
- accessing artwork file and importing into working area, and navigating software to direct production
- selecting embroidery materials and preparing according to fabric and work requirements
- performing routine minor maintenance according to manufacturer specifications
- preparing and checking machine
- completing a range of images, including embroidered lettering, monograms and motifs on at least two (2) items, such as hats, t-shirts and other simple garments, according to work specifications
- producing work efficiently and according to quality standards
- recognising and addressing production problems.
- maintaining accurate records

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 materials:
 - needles
 - threads
 - hoops
 - stabilisers
 - toppings
 - backings
- embroidery machines: domestic (single or multi-needle) or commercial (single or multi-head) machines
- computer navigation to access and import an image

- machine embroidery techniques
- a range of images, including embroidered lettering, monograms and motifs on items, such as hats, t-shirts and other simple garments
- types and properties of fabric
- colour, texture, shape, balance and composition theory
- 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
- stabilisers, toppings and backings:
 - water soluble
 - tear away
 - iron on
 - cut away
 - varying weights
- environmental aspects related to workplace and machine or equipment operation and manual handling
- quality practices
- 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 producing embroidery from digitised images, 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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