



Australian Government

MSTCL3008 Set and produce digital embroidery

Release: 1

MSTCL3008 Set and produce digital embroidery

Modification History

Release 1. Supersedes and is equivalent to LMTCL3008B Set and produce digital embroidery

Application

The unit of competency covers the skills and knowledge required to set and use digital embroidery programs and machines to produce embroidered lettering, monograms and motifs on simple garments.

Work may be conducted in small to large scale enterprises and may involve individual and team activities.

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

Pre-requisite Unit

Nil

Competency Field

Clothing production

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 | Prepare to produce digital embroidery | <ul style="list-style-type: none">2.1 Determine specifications for embroidery, required program features and machine requirements2.2 Identify garment considerations and select motif or lettering from stock designs2.3 Edit designs to achieve specifications and set program for operation2.4 Set up work area, equipment and materials and adjust to specifications for work |
| | | |
| 3 | Produce digital embroidery | <ul style="list-style-type: none">3.1 Lay out work pieces and select backing pieces to suit fabric3.2 Operate embroidery equipment according to workplace procedures to produce digital embroidery on simple garments3.3 Assess work for compliance with quality standards and production specifications3.4 Check machine and adjust to ensure optimum performance3.5 Manage production problems, such as thread breaks, and report and record any problems3.6 Perform routine minor maintenance according to manufacturer specifications |
| | | |
| 4 | Despatch completed work | <ul style="list-style-type: none">4.1 Check completed work against quality standards4.2 Identify any faults, report and record and take necessary action to repair or discard4.3 Direct completed work to next operation4.4 Complete work documentation as required |

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
 - PPE
 - 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

- Program features include one or more of the following:**
- file formats
 - image catalogues
 - program tools

- Garment considerations include one or more of the following:**
- type of fabric
 - colour of fabric
 - positioning of design
 - suitability of size, design and colour

- Edit includes one or more of the following:**
- manipulation of height
 - scale
 - skew

- rotation
- width
- length
- fonts
- fill
- baseline
- envelopes
- borders
- spacing
- needle penetration
- stitch size and type
- colour

Minor routine maintenance includes one or more of the following:

- checking and replacement of needles, attachments and/or parts
- oiling of machine parts

Unit Mapping Information

Release 1. Supersedes and is equivalent to LMTCL3008B Set and produce digital embroidery

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 MSTCL3008 Set and produce digital embroidery

Modification History

Release 1. Supersedes and is equivalent to LMTCL3008B Set and produce digital embroidery

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
- planning work tasks to achieve specifications
- preparing workstation and work
- using required machine, computer and program functions
- selecting and editing a variety of stock lettering and motif designs and monograms to produce digitised embroidery effects on garments, such as hats, t-shirts and other simple garments
- producing at least six (6) different embroidery examples using different stock designs and at least two (2) different fabrics
- carrying out minor machine maintenance according to manufacturer specifications
- checking completed work against quality standards
- identifying, reporting and recording any faults, and taking necessary action to repair or discard
- directing completed work to next operation and completing work documentation as required.

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
- digital embroidery program features
- embroidery specifications:
 - content
 - colour
 - size, including width and length
 - stitch type and size
 - font
 - fill

- editing tools and procedures
- operating procedures for digitising machines
- characteristics of typical fabrics, threads and other materials
- backing requirements for a range of fabrics and simple garments
- stock lettering and motif designs and monograms
- equipment and materials:
 - digital embroidery machine
 - computer
 - garment
 - threads
 - scissors
 - tape measures
- machine requirements:
 - thread type
 - needle type
 - stitch settings
 - spool requirements
- quality standards and practices
- workplace procedures
- recording and reporting practices.

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 setting and producing digital 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.

Links

Companion Volume implementation guides are found in VETNet -

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