



Australian Government

MSTDE3005 Replicate traditional hand craft techniques

Release: 2

MSTDE3005 Replicate traditional hand craft techniques

Modification History

Release 2. Supersedes and is equivalent to MSTDE3005 Replicate traditional hand craft techniques (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Pre-requisite unit, MSTGN2011 Identify fibres, fabrics and textiles used in the TCF industry, is **superseded by** MSTGN2013 Identify fibres, fabrics and textiles used in the TCF industry.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.

Application

This unit of competency covers the skills and knowledge required to apply specialised digitising techniques to replicate traditional hand craft techniques on a computerised embroidery machine.

The unit of competency applies to using industry standard software to specify design properties and convert artwork for the computerised production of a range of traditional embroidery techniques.

Work may be conducted in small to large scale enterprises, such as operational workplace activities or home-based activities.

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

MSTDE3001 Apply hooping and fabric handling techniques

MSTDE3002 Digitise artwork for computerised embroideries

MSTDE3003 Apply advanced digitising techniques to produce 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 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 replicate traditional hand craft techniques | 2.1 | Confirm work requirements and prepare workspace |
| | | 2.2 | Source and select images, import into software and edit, as required |
| | | 2.3 | Save artwork in appropriate file type |
| | | | |
| 3 | Digitise for embroidery techniques | 3.1 | Identify application and characteristics of traditional hand craft techniques and confirm suitability for design requirements |
| | | 3.2 | Select traditional hand craft technique and determine properties in digitised image |
| | | 3.3 | Apply creativity to use of colour, texture, shape, balance and composition |
| | | 3.4 | Save finished design to library |
| | | 3.5 | Create template and worksheet, print and check to ensure design requirements are met |
| | | 3.6 | Export completed design to the machine ready for stitching according to manufacturer specifications |

4	Complete embroidery pieces and finalise work	4.1	Select suitable fabric, stabiliser, toppings and backings, needles, thread and hoop types, and use according to the design production requirements
		4.2	Create embroideries to replicate traditional hand craft techniques on different fabric types suitable for each of the techniques
		4.3	Minimise waste and dispose of according to workplace procedures and environmental guidelines
		4.4	Seek feedback and integrate into outcomes

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

File types include one or more of the following:

- .jpeg
- .gif
- .tiff
- .bmp
- .wmf
- .emf
- .png

Traditional hand craft techniques include the following:

- blanket stitch
- redwork
- cross-stitch
- appliqué
- quilting
- stippling
- chain stitch
- crazy quilting
- lace
- candlewick

Properties in digitised image include one or more of the following:

- underlay
- fill pattern
- outline
- colour
- density
- pull compensation
- stabilisation
- stitch points and corners
- size

Unit Mapping Information

Release 2. Supersedes and is equivalent to MSTDE3005 Replicate traditional hand craft techniques (Release 1).

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

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 MSTDE3005 Replicate traditional hand craft techniques

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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
- identifying application and characteristics of traditional hand craft techniques and confirm suitability for design requirements
- selecting traditional hand craft technique and determine properties in digitised image
- applying creativity to use of colour, texture, shape, balance and composition
- saving finished design to library and exporting completed design to the machine ready for stitching according to manufacturer specifications
- selecting fabric, needles, thread, stabiliser and hoop to meet design specifications
- digitising and sewing separate embroideries on different fabric types using ten (10) traditional hand craft techniques
- 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
- a range of machines: microprocessor or computer control
- embroidery machines: domestic (single or multi-needle) or commercial (single or multi-head) machines
- basic sewing machine operations
- software functionality
- computer basic operations

- basic machine embroidery techniques
- colour, texture, shape, balance and composition theory
- traditional hand craft techniques and uses:
 - blanket stitch
 - redwork
 - cross-stitch
 - appliqué
 - quilting
 - stippling
 - chain stitch
 - crazy quilting
 - lace
 - candlewick
- 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
- range of digitising techniques
- 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 replicating traditional hand craft techniques, 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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