



Australian Government

MSTAT3009 Set and produce digital embroidery

Release: 1

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Modification History

Release 1. Unit code and Application changed. Elements and Performance Criteria simplified with Element 1 and 2 combined. Foundation Skills field populated. Range of Conditions removed with relevant information moved to Knowledge Evidence. Assessment Requirements clarified with generic foundation skills statements moved to appropriate section and duplication with Performance Criteria removed. Supersedes and is equivalent to MSTCL3008 Set and produce digital embroidery.

Application

This unit describes the skills and knowledge required to set and use digital embroidery programs and machines to produce embroidered lettering, monograms and motifs on textile products.

This unit applies to individuals working in accordance with pre-determined specifications and established procedures. They use discretion, judgement and problem-solving skills to monitor work and adjust machines to achieve optimum outcomes.

No licensing or certification requirements exist at the time of publication. Relevant legislation, industry standards and codes of practice within Australia must be applied.

Competency Field

Apparel and Textile Production

Elements and Performance Criteria

Elements	Performance Criteria
Elements describe the essential outcomes.	Performance criteria describe the performance needed to demonstrate achievement of the element.
1. Prepare to produce digital embroidery	1.1 Identify specifications for embroidery, required program features and machine requirements from work documentation 1.2 Identify and comply with workplace health and safety requirements 1.3 Select motif or lettering from stock designs based on the type and nature of the article to be embroidered 1.4 Edit designs to achieve specifications and set program for operation in accordance with manufacturer instructions 1.5 Adjust work area, equipment and materials to specifications for work
2. Produce digital embroidery	2.1 Lay out work pieces and select backing pieces to suit fabric 2.2 Operate embroidery equipment in accordance with workplace

Elements	Performance Criteria
Elements describe the essential outcomes.	Performance criteria describe the performance needed to demonstrate achievement of the element.
	procedures 2.3 Assess work for compliance with quality standards and production specifications 2.4 Check machine and adjust to ensure optimum performance 2.5 Identify and monitor production problems, and report and record any issues in accordance with workplace procedures 2.6 Perform routine minor maintenance in accordance with manufacturer instructions
3. Finalise work	3.1 Check completed work against specifications and quality standards 3.2 Identify any faults, report and record and take necessary action to repair or discard in accordance with workplace procedures 3.3 Process completed work for next stage based on work requirements 3.4 Complete production records in accordance with workplace procedures

Foundation Skills

This section describes those language, literacy, numeracy and employment skills that are essential to performance but not explicit in the performance criteria.

- Reading skills to interpret familiar workplace procedures and work documentation
- Writing skills to communicate factual information in familiar workplace documents
- Numeracy skills to interpret numerical information in work specifications and adjust machine settings.

Other foundation skills essential to performance are explicit in the performance criteria of this unit.

Unit Mapping Information

Release 1. Supersedes and is equivalent to MSTCL3008 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 MSTAT3009 Set and produce digital embroidery

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Performance Evidence

There must be evidence the candidate has completed the tasks outlined in the elements and performance criteria of this unit, and demonstrated the ability to:

- use machine, computer and program functions to produce at least six different embroidery examples to job specifications and workplace standards, with work to include at least:
 - two different stock designs
 - embroidery on two different fabrics
- complete routine machinery maintenance on at least one occasion.
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Knowledge Evidence

There must be evidence the candidate has knowledge of:

- scope of equipment and materials required for digital embroidery
- digital embroidery machines:
 - program features - file formats, image catalogues, program tools
 - operating procedures and safety considerations
 - editing tools and procedures
- types of embroidery specifications and quality indicators
- basic characteristics of fabrics suitable for digital embroidery
- backing requirements for different fabrics and article types
- fabric and positioning factors that affect selection of motif or lettering
- stock lettering and motif designs and monograms
- variations in machine and material requirements for different types of work:
 - thread type
 - needle type
 - stitch settings
 - spool requirements
- workplace procedures for recording and reporting of information.

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Assessment Conditions

Skills must have been demonstrated in the workplace or in a simulated environment that reflects workplace conditions and contingencies. The following conditions must be met for this unit:

- use of suitable facilities, equipment and resources, including:
 - work documentation
 - digital embroidery machinery and consumables
 - articles to embroidered
 - workplace procedures and manufacturer instructions.

Assessors must satisfy the NVR/AQTF mandatory competency requirements for assessors.

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