



Australian Government

Assessment Requirements for MSTDE3009 Maintain computerised embroidery machines

Release: 1

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Modification History

Release 1. Supersedes and is equivalent to LMTDE3009A Maintain computerised embroidery machines

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:

- maintain at least two (2) computerised embroidery machines
- reading and following work instructions, standard operating procedures, safe work practices, manufacturer specifications
- applying relevant standards
- assessing operational performance of machine
- determining impacts of materials and componentry on performance
- identifying performance problems and determining root cause
- identifying and adjusting possible faults in software application or digitised file
- assessing timing and adjusting according to manufacturer specifications
- assessing and adjusting positioning and timing of cutters, as required
- identifying electronic or major operational problems and referring to suitable personnel
- documenting maintenance work according to workplace procedures.

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 machines: domestic (single or multi-needle) or commercial (single or multi-head) machines
- computer navigation to use basic software functions
- machine embroidery techniques
- common performance problems, typical causes and related adjustments
- 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
- workplace policies and procedures
- environmental aspects related to workplace and machine or equipment operation and manual handling
- workplace 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 maintaining computerised embroidery machines, 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>