



Australian Government

**Assessment Requirements for MSTTX3003
Set up, adjust and maintain industrial
sewing machines**

Release: 1

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Modification History

Release 1. Supersedes and is equivalent to LMTTX3017A Set up, adjust and maintain industrial sewing 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:

- reading and following work instructions, standard operating procedures (SOPs), safe work practices, machine manufacturer specifications
- applying relevant standards
- interpreting production specifications accurately
- setting up industrial sewing machine with required equipment and attachments, and operating safely and correctly according to specifications
- monitoring industrial sewing machine operation to ensure it is efficient, safe and complies with workplace procedures
- performing at least four (4) sample runs of all stitching operations required for an identified garment, range or product and analysing results
- determining root cause and determining strategy for repair of sewing faults
- identifying and making appropriate readjustments
- maintaining records and preparing reports, where necessary
- documenting adjustments to machines and patterns and communicating to appropriate personnel
- documenting operational instructions.

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
- sewing methods and the various types of sewing operations, stitches, fabrics and knit effects
- threads
- pattern specifications
- factors affecting machine performance, including thread strength, dust and other contaminants, lubrication, needle condition, operator skill and ambient conditions
- industrial sewing machines:
 - lockstitch and chain stitch table mounted machines with power being from a motor mounted under the table and connected to the sewing machine by a pulley

- overlock table mounted sewing machines and sergers with power being from a motor mounted under the table and connected to the sewing machine by a pulley
- high volume automatic and manually operated hem, selvedge and embroidery sewing machines
- machine manufacturer specifications and adjustment methods
- work health and safety (WHS) and environmental aspects of relevant enterprise activities
- quality 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 up, adjusting and maintaining industrial sewing 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>