



Australian Government

MSTCL2001 Use a sewing machine

Release: 1

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Modification History

Release 1. Supersedes and is equivalent to LMTCL2001B Use a sewing machine

Application

This unit of competency covers the skills and knowledge required to use a sewing machine to align and sew work pieces.

The unit of competency applies to sewing techniques where the positioning of the work is controlled by guide bars, sensor lights or other such guiding devices, or where there is uncomplicated feeding of the fabric.

Work is conducted according to defined procedures.

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

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|---|--------------------------------------|-----|---|
| 2 | Prepare to use sewing machine | 2.1 | Receive work pieces, check specification sheets and plan follow-up action |
| | | 2.2 | Check that the bundle matches ticket information and that previous operations, such as pressing and cutting, have been successfully completed |
| | | 2.3 | Lay out work pieces in sequence |
| | | 2.4 | Set up workbench and seating according to workplace procedures |
| | | 2.5 | Clean, check, set up and adjust machines according to specifications for work |
| | | 2.6 | Identify poor machine performance and adjust as required |
| | | | |
| 3 | Sew work pieces | 3.1 | Sew pieces according to product requirements and quality standards |
| | | 3.2 | Use machine according to requirements for speed of work |
| | | 3.3 | Control machine speed and work handling according to type of operations, fabrics and product type |
| | | | |
| 4 | Assess quality of sewn pieces | 4.1 | Inspect sewn pieces against quality standards |
| | | 4.2 | Identify any faults or pieces that do not meet quality standards and report |
| | | 4.3 | Record results of quality inspection |
| | | 4.4 | Complete production records or packing slips as required |
| | | 4.5 | Direct work to next operation or packing section |

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

Machines include:

Automatic machines used to perform basic machining tasks where feeding and positioning of fabric is guided by the machine, including one or more of the following:

- plain lockstitch machine
- three thread overlocker
- zigzag sewing machine

Fabrics include one or more of the following

- stable woven and knitted fabrics, such as cotton drill, calico, double knit, rugby knit and poplin

Set-up includes the

- ensuring correct thread, needle size and type, needle guard, tension setting and attachments

following:**Identify poor machine performance includes the following:**

- identifying worn or damaged parts, and reporting or replacing according to manufacturer specifications
- identifying tension faults
- identifying poor thread performance or incorrect thread selection
- identifying incorrect foot or needle for sewing
- identifying impact of poor machine performance on sewing
- checking and replacing worn or damaged needles and attachments (feet)

Sewing operations include the following:

- aligning and sewing straight seams
- joining flat pieces of stable fabric together
- top stitch, edge stitch, open seams, closed seams and lapped seams

Unit Mapping Information

Release 1. Supersedes and is equivalent to LMTCL2001B Use a sewing machine

Links

Companion Volume implementation guides are found in VETNet -

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