



Australian Government

MSTCL2021 Use a sewing machine

Release: 1

MSTCL2021 Use a sewing machine

Modification History

Release 1. Supersedes and is equivalent to MSTCL2001 Use a sewing machine.

Application

This unit of competency describes the skills and knowledge required to use a sewing machine to align and sew work pieces 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 may be conducted in small to large scale enterprises and may involve individual and team activities.

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

Pre-requisite Unit

Nil

Competency Field

Clothing production

Elements and Performance Criteria

Elements <i>Elements describe the essential outcomes.</i>	Performance Criteria <i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
1. Prepare to use sewing machine	1.1 Determine job and safe work requirements from work information 1.2 Receive work pieces, check specification sheets and plan follow-up action 1.3 Check that the bundle matches ticket information and that previous operations have been successfully completed 1.4 Lay out work pieces in sequence 1.5 Set up workbench and seating in accordance with workplace procedures 1.6 Clean, check, set up and adjust machines according to work specifications 1.7 Identify poor machine performance and adjust for operational

Elements <i>Elements describe the essential outcomes.</i>	Performance Criteria <i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	readiness
2. Sew work pieces	2.1 Sew pieces according to product requirements and quality standards 2.2 Use machine to meet requirements for speed of work 2.3 Control machine speed and work handling according to type of operations, fabrics and product type
3. Assess quality of sewn pieces	3.1 Inspect sewn pieces against quality standards 3.2 Identify any faults or pieces that do not meet quality standards and report in accordance with workplace procedures 3.3 Accurately record results of quality inspection 3.4 Complete required production records or packing slips 3.5 Direct work to next operation or packing section in accordance with workplace procedures

Foundation Skills

This section describes those language, literacy, numeracy and employment skills that are essential to performance.

- Reading skills to:
 - interpret work instructions, standard operating procedures (SOPs), and specifications
 - check work against ticket information or specification sheets
- Numeracy skills to organise and align fabrics for sewing.

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 MSTCL2001 Use a sewing machine.

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 MSTCL2021 Use a sewing machine

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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:

- performed basic machining tasks where feeding and positioning of fabric is guided by the machine, demonstrating the following skills in any combination:
 - sewing of at least 2 different fabrics
 - aligning and sewing straight seams
 - joining flat pieces of stable fabric together
 - top stitch
 - edge stitch
 - open seams
 - closed seams
 - lapped seams
- sewn and carried out routine cleaning, set up and adjustment on at least 1 of the following machines:
 - plain lockstitch machine
 - three thread overlocker
 - zigzag machine
- inspected completed work to check quality and production output requirements, identifying and correcting faults
- recorded results of quality inspection and completed required production records or packing slips.

Knowledge Evidence

There must be evidence the candidate has knowledge of:

- safe work practices and procedures and use of personal protective equipment (PPE)
- garment assembly processes
- features of machines where the positioning of the work may be controlled by guide bars, sensor lights or other such guiding devices techniques for use
- routine set up, cleaning and adjustment of automatic machines:
 - plain lockstitch machine
 - three thread overlocker
 - zigzag machine

- characteristics of stable woven and knitted fabrics and threads, such as cotton drill, calico, double knit, rugby knit and poplin
- quality standards and practices
- workplace recording and reporting practices.

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:
 - a production environment set up with automatic sewing machines and related standard operating procedures (SOPs)
 - work pieces for sewing (at least 2 fabrics).

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

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