



Australian Government

MSTAT2005 Sew materials by machine

Release: 1

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Modification History

Release 1. Unit code, Title and Application changed. Merges duplicating content of MSTFD2006, MSTCL2021 and MSTCL2023. Title changed for broader application. Elements and Performance Criteria simplified with Elements 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 not equivalent to MSTFD2006 Use a sewing machine for fashion design. Supersedes and is not equivalent to MSTCL2021 Use a sewing machine. Supersedes and is not equivalent to MSTCL2023 Sew components.

Application

This unit describes the skills and knowledge required to use any type of sewing machine to align and sew pattern pieces and sew components of textile products. It includes the ability to align and sew straight seams, join flat pieces of stable fabric and use basic stitching.

This unit applies to individuals working in accordance with pre-determined specifications and established procedures.

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 use sewing machine	1.1 Identify materials and machining specifications from workplace information 1.2 Identify and comply with work health and safety requirements 1.3 Clean, check, set up and adjust machine according to work specifications 1.4 Check and lay out work pieces in sequence in accordance with production requirements
2. Sew work pieces	2.1 Sew pieces in accordance with pattern requirements and quality

Elements	Performance Criteria
Elements describe the essential outcomes.	Performance criteria describe the performance needed to demonstrate achievement of the element.
	standards 2.2 Control machine speed and work handling according to type of operation, fabric and product type
3. Confirm quality of sewn work	3.1 Inspect sewn work against specifications procedures and quality standards 3.2 Identify any faults or pieces that do not meet quality standards and take appropriate action 3.3 Record results of quality inspection and process work ready for next operation 3.4 Complete required 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 simple factual information in familiar workplace documents
- Numeracy skills to interpret numerical information in work specifications and adjust settings on sewing machines.

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

Unit Mapping Information

No equivalent unit.

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 MSTAT2005 Sew materials by 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 demonstrated the ability to:

- complete machining tasks on at least three articles (either a complete article or component parts of an article) to required quality standards, demonstrating the following skills in any combination on a domestic or industrial sewing machine:
 - sewing of at least two different fabrics
 - aligning and sewing straight seams
 - joining flat pieces of stable fabric together
 - stitching:
 - top stitch
 - edge stitch
 - stitching curves
 - open seams
 - closed seams
 - lapped seams
 - hems, including double fold, rolled, blind and stitched hem
 - creating darts or pleats
 - gathering, easing or tucking.

Knowledge Evidence

There must be evidence the candidate has knowledge of:

- for basic machine sewing:
 - components and basic operating features of sewing machines and associated safety considerations

- machining techniques to complete the sewing operations identified in the Performance Evidence
- typical problems that arise and how these are addressed, including problems that require action to:
 - correct or re-do work
 - recycle fabric and start again
 - adjust machine settings, threading, tension, foot and needle
 - revise choice of fabric, thread or stitching
- characteristics of stable woven and knitted fabrics and threads
- quality indicators for sewn products
- ways to minimise waste
- types of information included in production documentation.

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 specifications
 - work pieces for sewing (at least 2 fabrics)
 - sewing machine and threads.

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

Links

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