



Australian Government

MSTTX2014 Perform industrial sewing on textile products

Release: 1

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Modification History

Release 1. Supersedes and is equivalent to MSTTX2009 Perform industrial sewing on textile products.

Application

This unit of competency describes the skills and knowledge required to identify work requirements and sew textile products to specifications using industrial sewing machines.

This unit applies to operators working in accordance with defined procedures in any textile manufacturing context. Machines and tasks are preset.

Areas of work may include automotive trimming, blinds and awnings, clothing manufacture, leatherwork, marine trimming, sailmaking, upholstery or specialised textile manufacture.

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

Textile production.

Elements and Performance Criteria

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
1. Prepare to perform industrial sewing	1.1 Identify job requirements from work documentation 1.2 Identify and comply with work health and safety requirements in accordance with workplace procedures 1.3 Receive and check work and determine any follow-up action 1.4 Lay out work in sequence 1.5 Prepare and check workstation and machine in accordance with workplace procedures 1.6 Follow procedures for minimising waste
2. Sew textile product	2.1 Sew products to meet specifications, quality standards and speed of

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	operations 2.2 Control machine speed and work handling according to the type of operations, fabrics and product type 2.3 Check machine performance regularly and inspect finished work for signs of faulty operation 2.4 Take required action to rectify faults during the sewing process in accordance with workplace procedures
3. Complete work	3.1 Inspect completed sewn components against quality standards, identify any faults and take appropriate action 3.2 Accurately record results of inspection and any action to correct or reject faulty work 3.3 Take and keep a record of preventative action to avoid recurrence of defective work 3.4 Complete production records in accordance with workplace procedures 3.5 Direct completed work to the next operation or packing section

Foundation Skills

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

- Numeracy skills to:
 - interpret numerical information on machines and in job requirements
 - measure and compare work against production and quality requirements
- Oral communication skills to share and report job information to colleagues and supervisors
- Reading skills to interpret job requirements and workplace procedures
- Writing skills to complete quality forms and production records

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

Unit Mapping Information

Release 1. Supersedes and is equivalent to MSTTX2009 Perform industrial sewing on textile products.

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 MSTTX2014 Perform industrial sewing on textile products

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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:

- completed sewing to required specifications on 5 different jobs, with all of the following to be included in any combination:
 - operation of 2 different industrial sewing machines
 - positioning, feeding and handling of work pieces with some discretionary changes, contouring or critical stopping points
 - gathering
 - easing
 - tucking
 - stitching curves
- responded appropriately to 2 different sewing problems.

Knowledge Evidence

There must be evidence the candidate has knowledge of:

- existence of any Australian Standards requirements for materials or products being sewn
- techniques for use and basic maintenance of two types of industrial sewing machine
- main types and sizes of needles and their applications
- basic characteristics of fabrics and threads used in different types of textile products, including how they perform and required tensions
- workplace practices and procedures for:
 - quality assurance
 - recording and reporting of information
 - identification and rectification of problems
 - safety and hazard control, including use of product-specific personal protective equipment (PPE) and manual handling
 - waste management and sustainability.

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:
 - industrial sewing machines (minimum 2 types)
 - textile products to be sewn
 - work specifications
 - workplace procedures.

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

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