



Australian Government

Assessment Requirements for MSTTX3014

Set up, adjust and maintain industrial sewing machines

Release: 1

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Modification History

Release 1. Supersedes and is equivalent to MSTTX3003 Set up, adjust and maintain industrial sewing machines.

Performance Evidence

There must be evidence the candidate has completed the tasks outlined in the elements and performance criteria of this unit, and:

- set up sewing machines and completed sample runs for 3 different products, with all of the following to be included in any combination:
 - interpretation of 3 different patterns, templates or job specifications
 - set up and operation of 2 different industrial sewing machines
 - 2 different types of stitching
 - 2 different fabrics of varying weights
 - 2 different seams types
 - hemming
- determined root cause and implemented rectification strategy for 3 different sewing faults.

Knowledge Evidence

There must be evidence the candidate has knowledge of:

- features, set-up and operating requirements of two types of industrial sewing machines, including machine manufacturer specifications, different settings and adjustment methods
- types of machines and their stitching capabilities
- sewing methods and types of sewing operations, stitches, fabrics and knit effects used in textile products
- seam types for various types of textiles
- characteristics of threads used and their application in different types of textile products
- how to interpret patterns or templates and product specifications
- factors affecting machine performance, including:
 - ambient conditions
 - dust and other contaminants
 - lubrication
 - thread strength
 - needle condition
 - operator skill
- types of sewing faults, their typical causes and how to rectify

- existence of any Australian Standards requirements for materials or products being sewn
- 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.

Links

Companion Volume implementation guides are found in VETNet -

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