



**Australian Government**

# **MSTTX3010 Monitor textile production processes**

**Release: 1**

# MSTTX3010 Monitor textile production processes

## Modification History

Release 1. Supersedes and is equivalent to LMTTX3010B Monitor textile production processes

## Application

This unit of competency covers the skills and knowledge required to monitor textile production processes.

The unit of competency applies to ensuring that textile production outcomes are consistent with job specifications, identifying performance parameters, solving problems and conducting checks of performance efficiency.

The unit of competency involves working with discretion, judgement, and initiative on the job either individually or in a team environment, and may include liaison with specialist technicians, including textile mechanics or technicians and production supervisors.

Enterprises covered by this unit will process natural or synthetic source fibres, yarns or textile materials. Production processes covered include, but are not limited to, carding, spinning, knitting, tufting, weaving, finishing, dyeing and non-woven production processes.

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

Textile 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	<b>Determine job</b>	1.1	Follow standard operating procedures (SOPs)
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- requirements**
- 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
- 2 **Prepare to monitor textile production procedures**
- 2.1 Check job specifications for requirements including quantity, quality, colour and pattern
  - 2.2 Identify performance parameters to the extent required to be able to report known or suspected problems
  - 2.3 Monitor production processes to ensure consistency with specified outcomes and comply with workplace procedures
  - 2.4 Maintain job records and other documentation
- 3 **Determine problem cause and solution**
- 3.1 Identify problems and categorise as either machine or process faults
  - 3.2 Refer to operating manuals and documentation and determine possible causes of the problems
  - 3.3 Gather further information to confirm and eliminate possible causes
  - 3.4 Consult appropriate personnel to confirm causes
  - 3.5 Determine and trial immediate or short-term solution and/or determine permanent solution to eliminate the cause of the problem in consultation with appropriate personnel
- 4 **Conduct regular checks of performance**
- 4.1 Make regular checks of process operation and assess results against job specifications
  - 4.2 Record results of checks and identify opportunities for process improvements
  - 4.3 Communicate and document improvements

## 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

**Job specifications include one or more of the following:**

- customer orders
- pattern diagrams
- colour charts
- simple formulae
- written and verbal instructions
- drawings

**Performance parameters include the following:**

- processing time
- acceptable error rate
- wastage

- noise
- vibration

**Production processes include one or more of the following:**

- carding
- spinning
- sizing
- winding
- weaving
- tufting
- knitting
- dyeing
- finishing
- non-woven textile production process
- any special production systems of manufacturing practice, including:
  - just in time (JIT) movement between departments and suppliers or customers
  - special housekeeping practices, including 5S

**Appropriate personnel include one or more of the following:**

- internal technical specialists
- supervisors
- equipment manufacturer service personnel

## Unit Mapping Information

Release 1. Supersedes and is equivalent to LMTTX3010B Monitor textile production processes

## Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=a203ec5c-de7d-406b-b3e1-8fla9b76e92e>