



Australian Government

MSTTX3009 Operate in a complex textile production environment

Release: 1

MSTTX3009 Operate in a complex textile production environment

Modification History

Release 1. Supersedes and is equivalent to LMTTX3009B Operate in a complex textile production environment

Application

This unit of competency covers the skills and knowledge required to work in a textile production environment that requires the application of skills and knowledge across multiple production work areas.

The unit of competency applies to complex environments where the operator must demonstrate competence in the skill and knowledge of different production areas, consistent with the organisation's overall processes and quality systems.

The unit of competency builds upon technical skill and knowledge for operating machines or applying textile production processes, such as carding, spinning, knitting, tufting, weaving, finishing, dyeing and non-woven production processes, which are covered in other individual units.

Work may be conducted in small to large scale enterprises and may involve individual and team related 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 | Determine job | 1.1 | Follow standard operating procedures (SOPs) |
|---|----------------------|-----|---|

	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 operate in a complex textile production environment	2.1	Identify organisational structure and purpose and role of self or own team in the organisational structure
		2.2	Identify main production processes and quality systems across and within departments
		2.3	Identify the production functions of own work area including internal and external suppliers, and internal and external customers
		2.4	Identify main types of raw materials received by the organisation for processing
		2.5	Identify production processing stages and departments responsible for work flow through the organisation
3	Apply technical skills in own and additional departments	3.1	Demonstrate knowledge of key tasks performed in own and other departments within the organisation
		3.2	Identify the production functions of additional work areas, including internal and external suppliers, and internal and external customers
		3.3	Apply technical skills according to requirements of the production systems of the organisation
		3.4	Maintain responsibility for quality of own work according to workplace procedures in own and additional departments
		3.5	Work in cooperation with team members from other departments

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

- Organisational structure includes the following:**
- allocation of production functions to departments
 - supervisory and management arrangements
 - allocation of support functions, including maintenance, materials storage, administration, security, and laboratory services

- Production processes include one or more of the following:**
- carding
 - spinning
 - sizing
 - winding
 - weaving
 - tufting
 - knitting

- dyeing
- finishing
- non-woven textile production process
- special production systems of manufacturing practice including:
- just in time movement between departments and suppliers or customers
- special housekeeping practices, for example 5S

Organisations include one or more of the following:

- an enterprise with a single site
- a factory location of a multi-site enterprise

Systems used to guarantee quality include one or more of the following:

- communication systems used to convey quality standards for different jobs to production operators
- technical resources and assistance available to production operators to help rectify problems
- location and availability of experts, such as textile mechanics and technicians
- sampling requirements for offline quality testing

Product flow includes the following:

- the receipt of source fibres, yarns or textile materials from suppliers
- the subsequent movement of the raw materials to the production areas of the organisation for processing
- automatic and manual handling systems
- job and order control at a level appropriate to production operators at the enterprise

Unit Mapping Information

Release 1. Supersedes and is equivalent to LMTTX3009B Operate in a complex textile production environment

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 MSTTX3009 Operate in a complex textile production environment

Modification History

Release 1. Supersedes and is equivalent to LMTTX3009B Operate in a complex textile production environment

Performance Evidence

Evidence required to demonstrate competence in this unit must be relevant to and satisfy the requirements of the elements and performance criteria, and include:

- reading and following work instructions, standard operating procedures (SOPs), safe work practices and other reference material
- applying relevant standards
- identifying main production processes and quality systems across and within departments and own work area, including internal and external suppliers, and internal and external customers
- collecting samples and identifying all main types of raw materials received by the organisation for processing
- preparing a summary diagram or chart to identify production processing stages and departments responsible for work flow through the organisation
- listing key tasks performed in own and at least one (1) other department within the organisation
- detailing the production functions of at least one (1) additional work area, including internal and external suppliers, and internal and external customers
- maintaining responsibility for quality of own work according to workplace procedures in own and additional departments
- working in cooperation with team members from other departments.

Knowledge Evidence

Evidence must be provided that demonstrates knowledge of:

- safe work practices and procedures and use of personal protective equipment (PPE)
- relevant Australian Standards
- textile production processes used in the organisation
- technical processes and key tasks of two or more departments
- structure of organisation
- internal and external suppliers
- internal and external customers
- raw materials
- product flow
- quality standards and practices

- workplace organisation and procedures
- recording and reporting practices.

Assessment Conditions

- Assessors must:
 - satisfy the assessor competency requirements that are in place at the time of the assessment, as set by the VET regulator
 - have vocational competency in operating in a complex textile production environment, at least to the level being assessed, with relevant industry knowledge and experience.
- Assessment should occur in operational workplace situations. Where this is not possible, or where personal safety or environmental damage are limiting factors, assessment must occur in a sufficiently rigorous simulated environment reflecting realistic operational workplace conditions. This must cover all aspects of workplace performance, including environment, task skills, task management skills, contingency management skills and job role environment skills.
- Assessment processes and techniques must be appropriate to the language, literacy and numeracy requirements of the work being performed and the needs of the candidate.
- Conditions for assessment must include access to all tools, equipment, materials and documentation required, including relevant workplace procedures, product and manufacturing specifications associated with this unit.

Links

Companion Volume implementation guides are found in VETNet -

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