



Australian Government

MSTTX1001 Produce a simple textile fabric or product

Release: 1

MSTTX1001 Produce a simple textile fabric or product

Modification History

Release 1. Supersedes and is equivalent to LMTTX1001B Produce a simple textile fabric

Application

This unit of competency covers the skills and knowledge required to produce a simple fabric or product.

The unit of competency applies to the production of a simple fabric or product on commercial or craft level equipment for spinning, weaving, knitting or sewing operations.

Work is conducted under direction and does not involve a large scale production environment.

This unit of competency is designed for particular application in a highly supervised environment and is suitable for selection in a VET in Schools program or where access to volume production and commercial machines and processes are not an option.

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 requirements	1.1	Follow standard operating procedures (SOPs)
		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 produce a simple textile fabric or product	2.1	Identify design and method of production to create fabric or product
		2.2	Identify and assess suitability of materials, tools and equipment to achieve plan
		2.3	Identify and review pattern for production
		2.4	Check and prepare work space, tools and equipment and identify any additional resources that may be required
3	Produce fabric or product	3.1	Use equipment to produce fabric or product according to plan and required workplace procedures
		3.2	Identify and correct minor product process faults, where necessary
4	Complete production process	4.1	Unload product or remove it from equipment
		4.2	Assess product against plan and rectify any faults.
		4.3	Clean work space and equipment and store tools and equipment

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

- requirements prescribed by legislation, awards, agreements and conditions of employment

following:

- 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

Design includes one or more of the following:

- yarn types, combinations and patterns
- tension
- size
- type of weave
- colour
- attachments and components

Equipment includes one or more of the following:

- manual spinning wheel
- hand loom
- knitting machine
- computer-aided design (CAD) and computer-aided manufacturing (CAM) tools
- sewing machine
- scissors

Materials include one or more of the following:

- wool
- cotton
- synthetic yarns, such as nylon, acrylic and rayon
- other materials used for textile production not requiring complex processing or handling

Unit Mapping Information

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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 MSTTX1001 Produce a simple textile fabric or product

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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
- applying relevant standards
- checking equipment
- preparing yarn or materials for production
- loading and unloading materials according to equipment and workplace procedures
- starting up and shutting down equipment according to specifications and monitoring equipment operations
- using equipment to produce at least two (2) textile fabrics or products according to plan and required workplace procedures
- checking product against plan
- recognising and rectifying faults or problems as required
- cleaning equipment as required

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
- techniques used for fabric or product production, such as spinning, weaving, felting, knitting and sewing
- thread tensioners and dynamics of thread movement and breakage
- equipment components
- typical fault conditions and related fault-finding procedures
- types and styles of yarns
- simple equipment maintenance techniques
- quality standards and practices
- workplace 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 producing a simple textile fabric, 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.

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