



Australian Government

MSTTX2001 Perform knitting operations

Release: 1

MSTTX2001 Perform knitting operations

Modification History

Release 1. Supersedes and is equivalent to LMTTX2007B Perform knitting operations

Application

This unit of competency covers the skills and knowledge required to prepare, operate and monitor a knitting machine.

The unit of competency applies to the preparation, operation, monitoring and adjusting of a commercial knitting machine used in the production of knitted textile products.

Work is conducted according to defined procedures. 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	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

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|---|---|---|
| 2 | Prepare to perform knitting operations | <div>2.1 Check specifications and machine settings to meet requirements for production and workplace procedures</div> <div>2.2 Identify, check and load yarns onto the knitting machine according to manufacturer specifications</div> <div>2.3 Report non-conforming materials and keep area around machine clean during setting and loading</div> |
| | | |
| 3 | Operate and monitor machine | <div>3.1 Start, stop and monitor knitting machine according to manufacturer requirements and workplace procedures</div> <div>3.2 Check and replace yarn supply to ensure continuous flow to machine</div> <div>3.3 Sort waste and identify, correct and report minor product process and machine faults</div> <div>3.4 Report major machine faults</div> <div>3.5 Check product against quality specifications and identify faults or non-conformance</div> <div>3.6 Rectify or report product faults</div> |
| | | |
| 4 | Complete knitting process | <div>4.1 Unload or remove product according to manufacturer specifications</div> <div>4.2 Despatch product to next process</div> <div>4.3 Clean and maintain work environment according to workplace procedures</div> <div>4.4 Complete production records and other documentation, as required</div> |

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

Product requirements for knitting include one or more of the following:

- flat knitting
- circular knitting
- colour
- pattern
- size
- stitch gauge
- tension
- weft knits
- warp knits
- plain, purl, double and tricot knit
- sock knitting
- full garment

Yarns for knitting include one or more of the following:

- wool
- nylon
- acrylic

- polypropylene
- polyester
- cotton
- viscose
- blends

Unit Mapping Information

Release 1. Supersedes and is equivalent to LMTTX2007B Perform knitting operations

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 MSTTX2001 Perform knitting operations

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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 machine settings to meet production requirements
- loading yarns onto the knitting machine according to production requirements and manufacturer specifications
- operating and monitoring knitting machine according to defined procedures and methods, on at least two (2) occasions
- making minor adjustments
- checking product against quality standards
- loading and unloading products according to workplace procedures
- sorting waste, and recognising, rectifying and reporting machine or product faults or problems, as required
- despatching product to next process
- cleaning and maintaining work environment according to workplace procedures
- completing production records and other documentation, 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
- procedures and guidelines for safe operation of knitting machine
- typical fault conditions and related fault-finding procedures
- types and styles of yarns used in knitted products
- faults in knitting
- machine maintenance and repair techniques
- technical specifications manuals
- 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 performing knitting operations, 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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