



Australian Government

MSTTD4001 Produce knitted textile samples

Release: 1

MSTTD4001 Produce knitted textile samples

Modification History

Release 1. Supersedes and is equivalent to LMTTD4001A Produce knitted textile samples

Application

This unit of competency covers the skills and knowledge required to perform knitting techniques to produce knitted design samples.

The unit of competency applies to interpreting design specifications, and using knitting machine to produce fabrics or knitted product samples such as garments, bags or shawls.

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 design and development

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 knitted textile samples	2.1	Analyse pattern requirements and discuss design specifications with appropriate personnel to confirm production requirements
		2.2	Identify desired effects of knitting and select appropriate knitting structure and technique to match required outcome
		2.3	Select materials and yarns, quantities and knitting techniques according to design requirements
3	Produce knitted design sample	3.1	Set up workstation, tools and equipment according to specifications and workplace procedures
		3.2	Check yarns to be knitted against quality standards
		3.3	Undertake knitting techniques to meet design specifications for sample and according to workplace procedures
		3.4	Monitor knitting techniques and outcomes throughout to identify production faults
5	Complete production process	5.1	Rectify knit faults and production problems or reproduce sample according to modifications
		5.2	Finish knitted sample according to design specifications
		5.3	Document modifications and processes
		5.4	Examine outcomes with appropriate personnel and discuss and document possible modifications to design

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

Production requirements include three or more of the following:

- shaping
- hems
- tension
- stitches
- patterning
- striping
- weaving
- tuck and slip
- colour
- pattern
- size
- stitch gauge
- tension

Appropriate personnel include one or more of the following:

- trainers
- colleagues
- mentors
- designers
- pattern makers
- members of the design team

Knitting techniques include two

- flat knitting

or more of the following:

- circular knitting
- sock knitting
- weft knits
- warp knits
- plain, purl, double and tricot knit
- jacquard

Materials and yarns include one or more of the following:

- cotton
- buttons and components
- wool
- nylon
- acrylic
- polypropylene
- polyester cotton
- viscose
- blends

Sample includes one or more of the following:

- complete garment
- sample fabrics

Knitting tools and equipment include one or more of the following:

- knitting machines
- punch card
- blocking board
- double bed colour changer
- sewing machine
- overlocker
- garter bar and deco

Knit faults and production problems include one or more of the following:

- holes
- foreign matter
- creasing
- lines
- runs
- machine or equipment faults

Unit Mapping Information

Release 1. Supersedes and is equivalent to LMTTD4001A Produce knitted textile samples

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 MSTTD4001 Produce knitted textile samples

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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
- checking operational readiness of equipment
- analysing design specifications and interpreting production requirements
- preparing yarn and thread for production
- monitoring production
- recognising and rectifying faults or problems as required
- producing at least two (2) different types of knitted samples according to design specifications
- monitoring own work and conducting quality check of sample outcome
- maintaining accurate records
- applying workplace procedures.

Knowledge Evidence

Evidence must be provided that demonstrates knowledge of:

- safe work practices and procedures and use of personal protective equipment (PPE)
- knit modification techniques
- knitting machine techniques
- yarn characteristics
- typical fault conditions
- fault-finding procedures
- types and styles of knitted fabrics
- simple equipment maintenance techniques
- quality practices
- workplace practices
- 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 knitted textile samples, 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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