



Australian Government

MSTAT4019 Produce knitted textile samples

Release: 1

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Modification History

Release 1. Unit Code and Application changed. Element 1 removed. Foundation Skills field populated. Range of Conditions removed with relevant information moved to Performance or Knowledge Evidence. Assessment Requirements clarified with generic foundation skills statements moved to appropriate section and duplication with Performance Criteria removed. Supersedes and is equivalent to MSTTD4001 Produce knitted textile samples.

Application

This unit describes the skills and knowledge required to interpret design specifications and use knitting machines to produce fabrics or knitted product samples such as garments, accessories, homewares and other objects. Samples may be complete or partially completed items.

This unit applies to individuals producing work based on a pre-determined design. They use judgement and problem-solving to select and troubleshoot processes to achieve quality outcomes.

No licensing or certification requirements exist at the time of publication. Relevant legislation, industry standards and codes of practice within Australia must be applied.

Pre-requisite Unit

Nil

Competency Field

Apparel and Textile Production

Elements and Performance Criteria

Elements	Performance Criteria
Elements describe the essential outcomes.	Performance criteria describe the performance needed to demonstrate achievement of the element.
1. Establish requirements for knitted textile samples	1.1 Analyse pattern requirements and discuss design specifications with appropriate personnel to confirm production requirements 1.2 Identify desired effects of knitting and select appropriate knitting structure and technique to match required outcome 1.3 Select materials and yarns, quantities and knitting techniques according to design requirements
2. Produce knitted	2.1 Set up workstation, tools and equipment according to specifications

Elements	Performance Criteria
Elements describe the essential outcomes.	Performance criteria describe the performance needed to demonstrate achievement of the element.
design samples	for work 2.2 Check and prepare yarns to be knitted against quality standards 2.3 Use knitting techniques that meet design specifications for samples and in accordance with workplace procedures 2.4 Recognise and rectify knit faults and production problems
3. Complete production process	3.1 Finish knitted samples and confirm that design specifications and quality standards are achieved 3.2 Accurately document processes and any modifications used to achieve required outcomes 3.3 Examine outcomes with appropriate personnel and discuss and document possible modifications to design

Foundation Skills

This section describes those language, literacy, numeracy and employment skills that are essential to performance but not explicit in the performance criteria.

- Reading skills to interpret design specifications
- Oral communication skills to discussion requirements and production issues with others
- Numeracy skills to work with basic mathematical operations and measurement concepts.

Other foundation skills essential to performance are explicit in the performance criteria of this unit.

Unit Mapping Information

Supersedes and is equivalent to MSTTD4001 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 MSTAT4019 Produce knitted textile samples

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Performance Evidence

There must be evidence the candidate has completed the tasks outlined in the elements and performance criteria of this unit, and demonstrated the ability to:

- machine produce at least two different knitted samples according to design specifications, with the two samples to collectively include:
 - use of three of the following production methods:
 - flat knitting
 - circular knitting
 - sock knitting
 - weft knits
 - warp knits
 - tricot knit
 - jacquard
 - three of the following production requirements:
 - hems
 - patterning
 - partial knitting
 - shaping
 - stitch gauge
 - stitches
 - striping
 - tension
 - tuck and slip
 - weaving
- use of three knit modification techniques.

Knowledge Evidence

There must be evidence the candidate has knowledge of:

- safe work practices and procedures and use of personal protective equipment
- types and styles of knitted fabrics
- types of production requirements for knitted products
- type of information in pattern information and design specifications
- knit modification techniques, including:
 - transfer stitches using different transfer tools
 - drop stitches
 - extended stitches
 - joining
 - seam as you go
 - edging
- knitting machine operation and simple maintenance
- natural, synthetic and blend yarns and their characteristics
- fault-finding procedures, typical fault conditions and how to rectify:
 - holes
 - foreign matter
 - creasing
 - lines
 - runs
 - machine or equipment faults
- recording and reporting practices for knitting operations.
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Assessment Conditions

Skills must have been demonstrated in the workplace or in a simulated environment that reflects workplace conditions and contingencies. The following conditions must be met for this unit:

- use of suitable facilities, equipment and resources, including:
 - design specifications
 - knitting materials, tools and equipment
 - workplace procedures.

Assessors must satisfy the NVR/AQTF mandatory competency requirements for assessors.

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