



Australian Government

MSTTD5001 Design and produce knitted textile products

Release: 1

MSTTD5001 Design and produce knitted textile products

Modification History

Release 1. Supersedes and is equivalent to LMTTD5001A Design and produce knitted textile products

Application

This unit of competency covers the skills and knowledge required to develop designs and produce knitted textile products to meet a specified design brief.

This unit of competency applies to interpreting and analysing a design brief and developing a design for a knitted product, such as a garment, furnishing, accessories or fabric. The design brief may be determined by a client, trainer or supervisor and may be applied to a particular context within the textile industry.

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

MSTTD4001 Produce knitted textile samples

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.

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|-------------------------------------|-----|--|
| 1 Determine job requirements | 1.1 | Follow standard operating procedures (SOPs) |
| | 1.2 | Comply with work health and safety (WHS) requirements at all times |

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| | | 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 design and produce knitted textile products | 2.1 | Interpret design requirements and specifications from brief and analyse elements of design |
| | | 2.2 | Develop design to meet design brief and in accordance with principles of design and product purpose |
| | | 2.3 | Use communication tools to present knit design for feedback |
| | | 2.4 | Respond to feedback, adjust design accordingly and confirm design for production |
| | | 2.5 | Plan production of knitted design sample |
| 3 | Produce knitted design sample | 3.1 | Set up workstation, tools and equipment according to specifications |
| | | 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 | Check knitted sample to ensure it meets quality standards |
| 4 | Evaluate design and production processes | 4.1 | Assess knitted sample against design specifications, pattern and design brief |
| | | 4.2 | Identify knit faults and recognise design or production problems |
| | | 4.3 | Analyse design and evaluate to identify opportunities for improvement |
| | | 4.4 | Evaluate production process to identify opportunities for improvement |

4.5 Document process and improvements

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

Knitted products include one or more of the following:

- garments
- home furnishings
- accessories (e.g. scarves and bags)
- jacquard fabrics

Plan production includes the following:

- identifying technical aspects of production
- completing specification sheet to guide production
- undertaking calculations to determine material and yarn quantities
- developing knit pattern
- selecting and preparing materials, tools and equipment required for production

Technical aspects include one or more of the following:

- lace patterns
- cut and sew techniques
- row knitting
- punch card lace
- computer cards

Materials and yarns include one or more of the following:

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

Knitting 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
- computer cards

Knitting techniques include one or more of the following:

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

- jacquard

Analyse and evaluate design includes one or more of the following:

- skill and efficiency
- variation of knit effects
- compatibility of finishing procedures to design function
- quality
- suitability of materials

Unit Mapping Information

Release 1. Supersedes and is equivalent to LMTTD5001A Design and produce knitted textile products

Links

Companion Volume implementation guides are found in VETNet -

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