



Australian Government

Department of Education, Employment and Workplace Relations

LMTTX1001B Produce a simple textile fabric or product

Revision Number: 1

LMTTX1001B Produce a simple textile fabric or product

Modification History

Not applicable.

Unit Descriptor

Unit descriptor	This unit covers the skills and knowledge to produce a simple fabric or product.
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Application of the Unit

Application of the Unit

The unit applies to the production of a simple fabric or product. The production of the fabric or product may be 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 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.

The application of this unit is in accordance with OHS practices of the enterprise and workplace practices, which may include:

- requirements prescribed by legislation, awards, agreements and conditions of employment
- standard operating procedures
- work instructions
- 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

This unit requires the application of skills associated with problem solving to identify materials and determine appropriateness for production of textile product or fabric. Ability to use simple technology will also be required.

Licensing/Regulatory Information

Not applicable.

Pre-Requisites

Prerequisites

Employability Skills Information

Employability Skills This unit contains employability skills.

Elements and Performance Criteria Pre-Content

Not applicable.

Elements and Performance Criteria

ELEMENT	PERFORMANCE CRITERIA
1 Plan for fabric or product production	1.1 Design and method of fabric or product production is identified. 1.2 Required materials , tools and equipment are identified. 1.3 Pattern for production is identified and reviewed. 1.4 Tools and equipment are assessed for ability to achieve plan. 1.5 Identify additional resources that may be required.
2 Prepare for production	2.1 Required materials, tools and equipment are prepared. 2.2 Equipment is checked to ensure correct operation. 2.3 Work space is organised and prepared.
3 Produce fabric or product	3.1 Equipment is used to produce fabric or product according to plan and required OHS practices . 3.2 Minor product process faults are identified and corrected where necessary.
4 Complete production process	4.1 Product is unloaded or removed from equipment. 4.2 Product is assessed against plan. 4.3 Product faults are rectified. 4.4 Work space and equipment are cleaned. 4.5 Tools and equipment are stored.

Required Skills and Knowledge

REQUIRED SKILLS AND KNOWLEDGE

This describes the essential skills and knowledge and their level, required for this unit.

Demonstrates knowledge of:

- 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
- OHS practices, including hazard identification and control measures
- workplace practices
- recording and reporting practices

Demonstrates skills to:

- check equipment
- prepare yarn or materials for production
- load and unload materials according to equipment and workplace practices
- start up and shut down equipment according to specifications
- monitor equipment operations
- recognise and rectify faults or problems as required
- clean equipment as required
- read, interpret and follow information on work specifications, standard operating procedures and work instructions, and other reference material
- maintain accurate records
- communicate within the workplace
- sequence operations
- meet specifications
- clarify and check task-related information
- carry out work according to OHS practices

Evidence Guide

The Evidence Guide provides advice on assessment and must be read in conjunction with the Performance Criteria, Required Skills and Knowledge, the Range Statement and the Assessment Guidelines for the Training Package.

Critical aspects of evidence to be considered	Demonstrates skills and knowledge to: • check equipment settings to meet production requirements • monitor production according to defined procedures and methods • make minor adjustments • check product against plan • load and unload products • apply OHS practices in work operations
Consistency in performance	Consistently applies skills and knowledge when: • organising work • completing tasks according to instructions • working systematically with attention to detail according to instructions • identifying improvements and avoiding damage • using workplace practices • using OHS practices • recording and reporting accidents and incidents • assessing operational readiness of equipment • recognising and adapting to cultural differences in the workplace, including modes of behaviour and interactions
Resource implications	Access is required to real or appropriately simulated situations, including work areas, materials and equipment, and to information on workplace practices and OHS practices.
Context for assessment	Assessment may occur on the job or in an appropriately simulated environment.
Interdependent assessment	This unit may be assessed independently or in combination with other relevant units.

Range Statement

RANGE STATEMENT

The range statement relates to the unit of competency as a whole. It allows for different work environments and situations that may affect performance. Bold italicised wording, if used in the Performance Criteria, is detailed below. Add any essential operating conditions that may be present with training and assessment depending on the work situation, needs of the candidate, accessibility of the item, and local industry and regional contexts.

Legislative/regulatory requirements	All work must comply with relevant Federal and State or Territory legislative or regulatory requirements.
Design may include	• yarn types, combinations and patterns • tension • size • type of weave • colour • attachments and components
Equipment may include	• manual spinning wheel • hand loom • knitting machine • CAD and CAM tools • sewing machine • scissors
Materials may include	• wool • cotton • synthetic yarns such as nylon, acrylic, rayon • other materials used for textile production not requiring complex processing or handling
OHS practices	OHS practices include hazard identification and control, risk assessment and implementation of risk reduction measures specific to the tasks described by this unit, and may relate to: • manual handling techniques • standard operating procedures • personal protective equipment • safe materials handling • taking of rest breaks • ergonomic arrangement of workplaces • following marked walkways • safe storage of equipment • housekeeping • reporting accidents and incidents • environmental practices

Product faults may include

- holes
- foreign matter
- crossed ends
- loops in face, rough face
- creasing
- lines
- marks
- broken yarns

Unit Sector(s)

Sector Textile Production