



Australian Government

Department of Education, Employment and Workplace Relations

LMTTX2002B Prepare yarn for textile manufacturing

Revision Number: 1

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Modification History

Not applicable.

Unit Descriptor

Unit descriptor This unit covers the skills and knowledge to prepare yarn for textile production processes.

Application of the Unit

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The unit applies to the preparation, operation, monitoring and adjusting of machines and equipment used to thread, spool, wind, size and beam yarn to be used for production operations such as weaving, knitting or tufting.

If creeling is undertaken then the unit LMTTX2005A Perform creeling operations should be undertaken instead of this unit.

Work is conducted according to defined procedures.

Work may be conducted in small to large scale enterprises and may involve individual and team activities.

The application of this unit is according to 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 planning and organising to prepare textiles for processing. Problem solving skills are required to ensure materials conform to requirements and identify any processing problems. Communication skills are used to refer to and complete required documentation. Self management skills are used to ensure safe use of technology and conformance of own work to quality standards.

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 Set up machine and load yarn	1.1 Production specifications are checked to identify requirements for yarn quantity, quality or colour. 1.2 Yarn batch or job is checked to ensure conformity to specifications. 1.3 Non-conforming materials are reported. 1.4 Yarn is loaded onto <i>machine</i> .
2 Wind yarn onto spool, bobbin or beam, or thread yarn onto machine	2.1 <i>Machine settings</i> are calculated and adjusted to meet production requirements. 2.2 Leasing reed or other mechanisms are set according to specifications where necessary. 2.3 Yarn is threaded onto machine as necessary. 2.4 Machine is operated according to <i>OHS practices</i> . 2.6 Operation and yarn are monitored. 2.7 Yarn breaks are repaired where necessary. 2.8 Faults are corrected where necessary to meet specified requirements and are reported. 2.9 Major machine or product faults are reported.
3 Remove product from machine	3.1 Product is checked against quality standards. 3.2 Product is unloaded or removed according to manufacturer specifications. 3.3 Product is despatched to next process where necessary. 3.4 Cleaning of area is completed to ensure work environment is maintained in a safe and productive manner.
4 Complete records	4.1 Production records and other documentation are accurately completed.

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:

- procedures and guidelines for safe operation of machines
- typical fault conditions and related fault finding procedures
- machine maintenance and repair techniques
- technical specifications manuals
- quality standards and practices
- OHS practices, including hazard identification and control measures
- workplace practices
- recording and reporting practices

Demonstrates skills to:

- check machine safety equipment and report any faults
- perform calculations as required
- load and unload materials according to machine and workplace practices
- start and stop machines according to specifications
- monitor machine operations including machine production readings
- recognise, rectify and report machine faults or problems as required
- clean machines as required
- check machine maintenance records
- recognise fault conditions
- confirm compliance to operational specifications
- 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: <ul style="list-style-type: none">• check machine settings to meet production requirements• operate and monitor machine involving defined procedures and methods• make minor adjustments• check product against quality standards• load and unload products• complete records accurately and completely• apply OHS practices in work operations
Consistency in performance	Consistently applies skills and knowledge when: <ul style="list-style-type: none">• 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.

Machines include

- warping machine
- beaming machine
- winding machine
- sizing machine
- threading machine
- spooling machine
- knitting machine

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

Machine settings may include

- yarn type and quality
- sections
- lubrication
- height
- tension
- speed

Unit Sector(s)

Sector Textile Production