



Australian Government

Department of Education, Employment and Workplace Relations

LMTTX3009B Operate in a complex textile production environment

Revision Number: 1

LMTTX3009B Operate in a complex textile production environment

Modification History

Not applicable.

Unit Descriptor

Unit descriptor This unit covers the skills and knowledge to work in a textile production environment that requires the application of skill and knowledge across multiple production work areas.

Application of the Unit

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The unit applies to the operation or application of textile production processes across different production areas within a complex work environment.

Complex environments are defined as those where the operator must demonstrate competence in the skill and knowledge of different production areas in a manner that is consistent with the organisation's overall processes and quality systems.

The unit builds upon technical skill and knowledge for operating machines or applying textile production processes such as carding, spinning, knitting, tufting, weaving, finishing, dyeing and nonwoven production processes which are covered in other individual units.

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

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 skills in problem solving, initiative and enterprise and planning and organising in order to work effectively in a range of work environments. It requires leaning and self management skills to adapt to new processes and structures and communication and team work skills in order to work effectively with others.

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 Identify organisational structure and purpose	1.1 Role of self or own team in the organisational structure is explained. 1.2 Main production processes undertaken by the organisation are identified. 1.3 Systems used to guarantee quality across and within departments are identified. 1.4 The production functions of own work area including internal and external suppliers and internal and external customers are explained.
2 Demonstrate understanding of product flow through the organisation	2.1 Main types of raw materials received by the organisation for processing are identified. 2.2 Production processing stages and responsible departments are identified. 2.3 Production functions of own work area are identified including internal and external suppliers and internal and external customers.
3 Apply technical skills when required in other departments	3.1 Knowledge of key tasks performed in one or more other departments is demonstrated. 3.2 Technical skills are applied in a manner consistent with production system requirements of the organisation. 3.3 Responsibility for quality of own work is maintained in a manner consistent with operation procedures of the new department. 3.4 Work is conducted in cooperation with team members from other departments. 3.5 OHS practices of department are implemented.

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:

- textile production processes used in the organisation
- technical processes of two or more departments
- quality standards and practices
- OHS practices, including hazard identification and control measures
- workplace organisation and practices
- recording and reporting practices

Demonstrates skills to:

- apply technical skills in own and other departments
- work in teams
- adapt to new work environments
- 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: • identify main purpose of the organization, eg major products and the major processes used in their production such as weaving and dyeing • identify manufacturing system and quality requirements across two or more departments within the organisation • describe product flow through the organisation • apply skills in two or more departments
Consistency in performance	Consistently applies skills and knowledge when: • organising work • completing tasks according to instructions • working systematically with attention to detail • 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 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.
Organisational structure includes	• allocation of production functions to departments • supervisory and management arrangements • whether a team-based work organisation structure is used • allocation of support functions including maintenance, materials storage, administration, security, laboratory services
Production processes may include	• carding • spinning • sizing • winding • weaving • tufting • knitting • dyeing • finishing • non-woven textile production process • special production systems of manufacturing practice including: • just in time movement between departments and suppliers or customers • special housekeeping practices, for example 5S
Organisation refers to	• the processing plant where the employee works and may be: • an enterprise with a single site • a factory location of a multi site enterprise
Systems used to guarantee quality may include	• communication systems used to convey quality standards for different jobs to production operators • technical resources and assistance available to production operators to help rectify problems • location and availability of experts such as textile mechanics and technicians • sampling requirements for offline quality testing
Product flow refers to	• the receipt of source fibres, yarns or textile materials from suppliers and the subsequent movement of the raw materials to the production areas of the organisation for processing. It

includes automatic and manual handling systems and job and order control at a level appropriate to production operators at the enterprise

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

Unit Sector(s)**Sector**

Textile Production