



Australian Government

Department of Education, Employment and Workplace Relations

LMTTX3010B Monitor textile production processes

Revision Number: 1

LMTTX3010B Monitor textile production processes

Modification History

Not applicable.

Unit Descriptor

Unit descriptor This unit covers the skills and knowledge to monitor textile production processes.

Application of the Unit

Application of the Unit

The unit applies to ensuring that textile production outcomes are consistent with job specifications, identifying performance parameters, solving problems and conducting checks of performance efficiency.

This unit is focused on monitoring of a process and complements the machine monitoring skill covered by *LMTTX3006A Ensure efficient operation of textile machines*.

The unit involves working with discretion, judgement, and initiative on the job either individually or in a team environment and may include liaison with specialist technicians including textile mechanics or technicians and production supervisors.

Enterprises covered by this unit will process natural or synthetic source fibres, yarns or textile materials. Production processes covered include but are not limited to carding, spinning, knitting, tufting, weaving, finishing, dyeing and non-woven production processes.

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 planning and organising, initiative and enterprise and problem solving in order to monitor production processes and determine the cause of production problems. Teamwork and communication skills are required to gather necessary information. Self management and learning skills are applied in reviewing own process to ensure outcomes are efficient and safe and optimise production outcomes.

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 Monitor process to ensure outcomes are consistent with job specifications	1.1 Job specifications are checked for requirements including quantity, quality, colour and pattern. 1.2 Performance parameters are identified to the extent required to be able to report known or suspected problems. 1.3 Production processes are monitored to ensure consistency with specified outcomes. 1.4 Job records and other documentation are maintained. 1.5 Monitoring is conducted according to OHS practices.
2 Identify problems with operation of textile production process	2.1 Problems are identified and categorised as machine and process faults. 2.2 Operating manuals and documentation are referred to.
3 Determine problem cause and solution	3.1 Possible causes of problem are determined. 3.2 Further information is gathered to confirm and eliminate possible causes. 3.3 Appropriate personnel are consulted to confirm causes. 3.4 Immediate solution is determined and trialled or implemented. 3.5 Permanent solution is determined in consultation with appropriate personnel.
4 Conduct regular checks of performance efficiency	4.1 Regular checks of process operation are undertaken and results assessed against job specifications. 4.2 Results of checks are recorded. 4.3 Opportunities for process improvements are identified and communicated.

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 an enterprise
- range of problems and their solutions associated with textile production operations
- quality standards and practices
- OHS practices, including hazard identification and control measures
- workplace practices
- recording and reporting practices

Demonstrates skills to:

- identify faults and problems
- determine solutions
- 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 the major processes to be monitored at work location, eg creeling, weaving, finishing • identify manufacturing system and quality requirements to be monitored • identify major faults and out of specification performance • address faults or problems • conduct regular performance checks
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.
Job specifications may include	• customer orders • pattern diagrams • colour charts • simple formulae • written and verbal instructions • drawings
Performance parameters may include	• processing time • acceptable error rate • wastage • noise • vibration
Production processes may include	• carding • spinning • sizing • winding • weaving • tufting • knitting • dyeing • finishing • non-woven textile production process • any special production systems of manufacturing practice, including: • just in time movement between departments and suppliers or customers • special housekeeping practices, including 5S
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
Appropriate personnel may include	• internal technical specialists • supervisors • equipment manufacturer service personnel
Immediate solution means	A solution to the problem that will control immediate undesirable impacts, but which may not eliminate the root cause of the problem.
Permanent solution means	A solution to the problem that will eliminate the root cause of the problem.

Unit Sector(s)

Sector Textile Production