



Australian Government

Department of Education, Employment and Workplace Relations

LMTTX3002B Contribute to textile production process improvements

Revision Number: 1

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Modification History

Not applicable.

Unit Descriptor

Unit descriptor This unit covers the skills and knowledge to review production processes used in textile manufacture and contribute to identifying and implementing improvements.

Application of the Unit

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The unit applies to providing input to improvement of processes in a range of textile production environments including volume and custom production. This is performed in a supervisory capacity and applies across the range of textile production processes. Skill and knowledge in textile production processes, tools, materials and equipment is essential.

Improvement contributions may be made to any part of the production process such as production practices, documentation, supply, despatch, operator practices, safety, quality, housekeeping.

Work may be self-directed and unsupervised.

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 application of problem solving skills and initiative and enterprise to review production processes and identify opportunities for improvement. Planning and organising skills and communication and teamwork are required to implement change and gain support from other stakeholders. Learning and self management skills will be applied to review appropriateness of own suggestions and make necessary modifications.

Licensing/Regulatory Information

Not applicable.

Pre-Requisites

Prerequisite LMTGN2002B

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 key elements of production requirements	1.1 Key external and internal customers and their needs and expectations are identified. 1.2 Textile production processes are described in terms of how they contribute to the value chain. 1.3 Key suppliers are identified and their role in the value chain described. 1.4 Quality standards for critical points of the production process are identified. 1.5 Production requirements are identified.
2 Review production processes	2.1 Housekeeping practices are identified and reviewed against workplace standards to assess conformity. 2.2 Safety practices are identified and reviewed against OHS practices to assess conformity. 2.3 Production waste is identified. 2.4 Methods of monitoring production outcomes are identified as required. 2.5 Textile production outcomes are assessed against production goals as required.
3 Identify improvement opportunities	3.1 Opportunities for improvement are identified. 3.2 Suggestions for improvement are made. 3.3 Improvement is tested in consultation with appropriate personnel. 3.4 Reports, records and recommendations for improvement are provided.
4 Implement improvement	4.1 Implications of improvement are identified. 4.2 Desired result of improvement is identified and method of measuring outcome established. 4.3 Methods of addressing any possible negative implications are identified and implemented. 4.4 Consultation with appropriate personnel is conducted to communicate improvement. 4.5 Improvement is implemented with the assistance of other team members as required. 4.6 Improvement is monitored to ensure correct implementation and effectiveness in achieving desired result is reviewed with assistance from other team members as required. 4.7 Adjustments to improvement are made as required. 4.8 Improvement processes are documented.

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:

- quality standards applying to textile handling procedures, construction processes and finished product
- impact of incorrect production techniques
- sequence of operations in the production process
- production suppliers and value chain concepts
- quality tools and benchmarking procedures
- PDCA (plan, do, check, act) cycle
- OHS practices, including hazard identification and control measures
- quality practices
- workplace practices
- recording and reporting practices

Demonstrates skills to:

- plan production processes as required
- analyse and evaluate
- communicate effectively within the workplace with colleagues and management
- conduct quality checks to identify non-compliances with quality standards
- brainstorm
- solve problems
- read, interpret and follow information on work specifications, standard operating procedures and work instructions, and other reference material
- maintain accurate records
- 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: • review textile production processes • identify and assess improvement opportunities • evaluate implications of improvement • identify and interpret workplace standards • communicate process improvement options
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 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.
Textile production processes may include	• receiving and processing of fibres and yarns • identification of yarn and fibre quality • specialist machine use such as tufting, spinning, weaving • repairs and alterations • testing, inspecting • despatch, storage, packing • finishing processes
Suppliers may include	• suppliers of materials, yarns, fibres, fabrics • personnel, specialist support, contractors • despatch, warehousing, transport operators • publicity and promotional suppliers • machinery and equipment suppliers and repair contractors
Production requirements	• timing requirements • quantity • quality • specific order requirements • procedural requirements • safety • personnel • resource use
Production waste may include	• unusable materials, off-cuts • delays • poor process design • inventory • inefficient performance of a process • making defective items
Tested may include	• trialled • verified • piloted • measured against research
Appropriate	• managers

personnel may
include

- supervisors
- colleagues
- specialist staff

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