



Australian Government

Department of Education, Employment and Workplace Relations

LMTCL3010B Sew woven and stretch knit garments

Revision Number: 1

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Modification History

Not applicable.

Unit Descriptor

Unit descriptor This unit covers the skills and knowledge to sew woven and stretch knit garments.

Application of the Unit

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The unit applies to sewing complete stretch and woven fabric garments or products and may apply to sample machining involving all operations in the assembly of a garment to specification. It covers the skills and knowledge to plan, align and sew complete stretch and woven fabric garments from specifications or patterns using a variety of machines and processes.

Machines used may include plain lockstitch sewing machine, a three, four or five thread overlocker, a zigzag sewing machine, blind hemmers, buttonholers, button sewers, pocket and collaring machines, elasticators and binders.

Work may be self-directed and unsupervised.

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 sew woven and stretch knit garments. Problem solving skills are required to identify machining requirements and identify any production problems. Communication skills are used to refer to production specifications 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

Prerequisite	LMTCL2001B
	LMTCL2003B
	LMTCL2004B

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 garment construction	1.1 Garment requirements are identified from production specifications. 1.2 Machining requirements are determined. 1.3 Plan for garment construction is developed.
2 Prepare work pieces	2.1 Work bundle is received. 2.2 Work pieces are checked for readiness for assembly. 2.3 Work pieces are laid out in sequence according to construction plan.
3 Prepare workstation	3.1 Workbench and seating are set up according to OHS practices. 3.2 Machines are cleaned and checked. 3.3 Records are maintained. 3.4 Machines are set up and adjusted according to specifications for work. 3.5 Needles, attachments and parts are checked and worn needles and parts are identified and reported or replaced, according to manufacturer instructions.
4 Identify poor machine performance	4.1 Performance of machine is regularly checked for signs of faulty operation, including evidence from inspection of finished pieces and required action taken.
5 Sew garment	5.1 Garment is sewn according to requirements for operations. 5.2 Garment is sewn according to requirements for sewing woven and stretch knit fabrics and quality standards. 5.3 Garment is sewn according to requirements for speed of work. 5.4 Machine speed and work handling are controlled for type of operations, fabrics and product type. 5.5 OHS practices are followed in operation of machines. 5.6 Action is taken according to OHS practices to prevent accidents and to eliminate risks to personal safety.
6 Complete work	6.1 Garment is inspected and checked against quality standards, any faults are identified and appropriate action taken. 6.2 Results of inspection of finished garment are recorded. 6.3 Action taken to either reject or correct faulty garment is recorded. 6.4 Preventative action taken to avoid any recurrence of defective garment is recorded. 6.5 Production records and packing slips are completed. 6.6 Completed work is directed to next operation or packing section.

Required Skills and Knowledge

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

Demonstrates knowledge of:

- characteristics of a stretch and woven fabrics
- threads and other materials used in garment assembly
- quality standards and practices
- impact of incorrect sewing techniques on stretch and woven fabrics garment construction
- sequence of operations
- OHS practices, including hazard identification and control measures
- workplace practices
- recording and reporting practices

Demonstrates skills to:

- plan product construction
- apply sewing techniques appropriate to stretch and woven fabrics
- sew garments accurately according to tolerances and work requirements
- use and maintain production machines, including plain lockstitch sewing machine; three, four or five thread overlocker; zigzag sewing machine; blind hemmers; buttonholers; button sewers; pocket and collaring machines; elasticators; binders
- handle receive and assemble garments
- conduct quality checks of own work to identify non-compliances with quality standards
- 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	Demonstrates skills and knowledge to: • plan product construction • check work pieces against pattern or specifications • prepare workstation and work before commencing sewing operations • apply appropriate sewing techniques required to construct whole garment from stretch or woven fabric • consistently achieve quality and production output requirements • operate machines required for complete operations • apply OHS practices in work operations • perform quality checks • maintain accurate records
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. If lay-up and cutting skills are required, then can be assessed with LMTCL3005BLay up and cut complicated fabrics and lays.

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.
Garment requirements may include:	• work pieces, accessories and trims • pattern • production or delivery time requirements • stitch finishes
Garment may include:	• any item of clothing which includes multiple pieces such as sleeves, collars and trims, and which is made to production specifications for example shirts, trousers, dresses, unstructured jackets, skirts, lingerie, briefs
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
Machines must include:	• a full range of machines required to complete whole garment construction in stretch and woven fabrics which may include a combination of the following: • plain lockstitch sewing machine, a three, four or five thread overlocker, a zigzag sewing machine • blind hemmers, buttonholers, button sewers, pocket and collaring machines, elasticators and binders
Set-up may include:	• correct thread, needle size and length needle guard, tension setting and attachments • setting machine tension specific to woven and stretch knit fabrics

Operations may include:

- sewing techniques specific to stretch and woven fabrics, where the positioning, feeding and handling of work pieces involves discretionary changes, contouring or critical stopping points or involving the special handling skills required to accommodate fabric variations
- production of whole garment from specifications or patterns
- sample machining
- processes required to complete whole garment construction

Unit Sector(s)

Sector Clothing Production