



Australian Government

MSTCL2007 Lay up, mark and cut uncomplicated fabrics and lays

Release: 1

MSTCL2007 Lay up, mark and cut uncomplicated fabrics and lays

Modification History

Release 1. Supersedes and is equivalent to LMTCL2007B Lay up, mark and cut uncomplicated fabrics and lays

Application

This unit of competency covers the skills and knowledge required to lay up, mark and cut uncomplicated fabrics and lays.

The unit of competency applies to situations where single garments or only a couple of layers of fabric are to be cut. The marker may be developed directly on the fabric lay or planned separately and applied.

Manual or computer-aided techniques may be used.

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

No licensing, legislative or certification requirements apply to this unit at the time of publication.

Pre-requisite Unit

Nil

Competency Field

Clothing production

Unit Sector

Not applicable

Elements and Performance Criteria

Elements describe the essential outcomes.

Performance criteria describe the performance needed to demonstrate achievement of the element.

1 Determine job requirements

- 1.1 Follow standard operating procedures (SOPs)
- 1.2 Comply with work health and safety (WHS) requirements at all times
- 1.3 Use appropriate personal protective equipment (PPE) in

			accordance with SOPs
		1.4	Identify job requirements from specifications, drawings, job sheets or work instructions
2	Prepare to cut fabrics and lays	2.1	Set up working area
		2.2	Interpret lay-up instructions for uncomplicated articles
		2.3	Collect and check fabric
		2.4	Interpret cutting order for marking requirements, such as fabric type, width, quantity and garment sizes
3	Draft and position lay marker	3.1	Collect required pattern pieces and check manually or by computer
		3.2	Manipulate pattern pieces and position manually on paper or by computer for most efficient fabric use
		3.3	Draw up lay marker manually or by computer
		3.4	Prepare lay-up instructions according to requirements
		3.5	Check marker against requirements and copy marker either manually or digitally by computer, camera or smartphone
		3.6	Place marker on lay, check marker and lay alignment, and take appropriate action according to job specifications
4	Cut lay and complete work	4.1	Cut lay using cutting equipment according to operation requirements
		4.2	Monitor work quality and check for faults
		4.3	Direct cut work to next operation, clean work area and prepare for next job
		4.4	Store master copy of lay marker in filing drawer or computer as appropriate

Foundation Skills

This section describes those required skills (language, literacy and numeracy) that are essential to performance.

Foundation skills essential to performance are explicit in the performance criteria of this unit of competency.

Range of Conditions

This field allows for different work environments and conditions that may affect performance. Essential operating conditions that may be present (depending on the work situation, needs of the candidate, accessibility of the item, and local industry and regional contexts) are included.

Workplace procedures include one or more of the following:

- requirements prescribed by legislation, awards, agreements and conditions of employment
- SOPs
- 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
- WHS practices

Australian Standards include:

- the relevant industry or Australian Standards that are current at the time this unit is being undertaken

Uncomplicated articles include one or more of the following:

- t-shirts
- straight or A-line skirts
- shift dresses
- tracksuits
- section crowns
- brims
- tips
- side bands
- berets

Cutting equipment includes one or more of the following:

- dressmaker's shears
- cutting mats
- straight-blade cutter

Lay-up and marking equipment includes one or more of the following:

- computers and required software
- digital camera
- smartphone
- patterns
- fabric
- marker card or paper
- weights
- clamps

Fabrics include one or more of the following:

- woven fabrics, such as:
 - poplin
 - drill
 - flannelette
- knitted fabrics, such as:
 - rugby knit
 - double knit
- designs such as:
 - stripes
 - one-way designs
 - plaids

Unit Mapping Information

Release 1. Supersedes and is equivalent to LMTCL2007B Lay up, mark and cut uncomplicated fabrics and lays

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=a203ec5c-de7d-406b-b3e1-8f1a9b76e92e>

Assessment Requirements for MSTCL2007 Lay up, mark and cut uncomplicated fabrics and lays

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Performance Evidence

Evidence required to demonstrate competence in this unit must be relevant to and satisfy the requirements of the elements and performance criteria, and include:

- reading and following work instructions, standard operating procedures (SOPs), safe work practices
- applying relevant standards
- checking work against work specification or cutting order
- setting up manual or computer drafting equipment before commencement of marker-making operations
- making markers involving patterns, uncomplicated fabrics and lays, using manual or computer techniques on at least two (2) occasions
- preparing cutting table and work before commencing cutting operations
- using lay-up techniques
- using cutting techniques
- monitoring work quality and checking for faults
- directing cut work to next operation, cleaning work area and preparing for next job
- storing master copy of lay marker in filing drawer or computer as appropriate.

Knowledge Evidence

Evidence must be provided that demonstrates knowledge of:

- safe work practices and procedures and use of personal protective equipment (PPE)
- relevant Australian Standards
- set up of work area:
 - setting up workstation, cutting table and seating according to workplace procedures and specifications for work
 - cleaning cutting equipment, checking and assessing servicing according to manufacturer instructions
 - preparing cutting table to suit correct lay length
 - setting up lay-up and marking equipment and preparing for use
- characteristics of fabrics and other materials used in garment assembly, such as woven fabrics (poplin, drill, flannelette) and knitted fabrics (rugby knit, double knit)
- assessing fabric:
 - checking fabric width and quality with lay-up instructions

- laying-up fabric and adjusting fabric tension to match fabric performance
- checking fabric for faults
- taking required action to cut out faults or other appropriate techniques
- pattern identification
- computer operations involved in marker-making, copying and storage
- quality standards and practices:
 - inspecting cut work
 - identifying any faults
 - taking appropriate action to ensure cut pieces meet required quality standards
 - taking preventative action to avoid any recurrence of defective pieces
 - recording preventative action
 - regularly checking performance of cutting equipment for signs of faulty operation, including evidence from inspection of cut pieces, and taking any required action
- workplace procedures
- recording and reporting practices.

Assessment Conditions

- Assessors must:
 - satisfy the assessor competency requirements that are in place at the time of the assessment, as set by the VET regulator
 - have vocational competency in laying up, marking and cutting uncomplicated fabrics and lays, at least to the level being assessed, with relevant industry knowledge and experience.
- Assessment should occur in operational workplace situations. Where this is not possible, or where personal safety or environmental damage are limiting factors, assessment must occur in a sufficiently rigorous simulated environment reflecting realistic operational workplace conditions. This must cover all aspects of workplace performance, including environment, task skills, task management skills, contingency management skills and job role environment skills.
- Assessment processes and techniques must be appropriate to the language, literacy and numeracy requirements of the work being performed and the needs of the candidate.
- Conditions for assessment must include access to all tools, equipment, materials and documentation required including relevant workplace procedures, product and manufacturing specifications associated with this unit.

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