



Australian Government

MSTCL2020 Lay up and mark uncomplicated fabrics and lays

Release: 1

MSTCL2020 Lay up and mark uncomplicated fabrics and lays

Modification History

Release 1. New unit

Application

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

The unit of competency applies to production support roles or situations where single garments or only a couple of layers of fabric are to be cut.

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

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|---|---------------------------|--|
| 2 | Prepare for lay-up | 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 | Perform lay-up | 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 by computer |
| | | |
| 4 | Finalise work | 4.1 Direct work to next operation, according to workplace procedures |
| | | 4.2 Clean work area and prepare for next job |

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
- personal protective equipment (PPE)
- 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
- section crowns
- brims
- tips
- side bands
- berets

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

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

Set up working area includes the following:

- setting up workstation, 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

Check fabric includes the following:

- 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 according to workplace procedures or other appropriate techniques

Monitor work quality includes the following:

- 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

Unit Mapping Information

Release 1. New unit

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 MSTCL2020 Lay up and mark 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
- using lay-up techniques for uncomplicated fabrics or lays on at least two (2) occasions
- complying with quality processes
- finalising work according to workplace procedures.

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
- characteristics of fabrics and other materials used in garment assembly, such as woven fabrics (poplin, drill and flannelette) and knitted fabrics (rugby knit and double knit)
- working with woven fabrics, such as:
 - poplin
 - drill
 - flannelette
- working with knitted fabrics, such as:
 - rugby knit
 - double knit
- designs, such as:
 - stripes
 - one-way designs
 - plaids
- fabric faults
- pattern identification
- quality standards and practices
- workplace procedures

- 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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