



Australian Government

MSTCL3009 Develop patterns from a block using basic patternmaking principles

Release: 1

MSTCL3009 Develop patterns from a block using basic patternmaking principles

Modification History

Release 1. Supersedes and is equivalent to LMTCL3009B Develop patterns from a block using basic patternmaking principles

Application

This unit of competency covers the skills and knowledge required to develop patterns from a block using basic patternmaking principles.

The unit of competency applies to the development of a variety of pattern styles utilising the basic principles of patternmaking, including dart manipulation and square blocking.

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

Work is conducted according to defined procedures.

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

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| | | 1.4 | Identify job requirements from specifications, drawings, job sheets or work instructions |
| 2 | Prepare to develop patterns | 2.1 | Set up workstation and patternmaking tools and equipment |
| | | 2.2 | Analyse design to identify appropriate modifications |
| | | 2.3 | Identify fabric performance characteristics that may affect garment pattern and determine ease allowance |
| | | 2.4 | Plan pattern development according to quality standards and workplace procedures |
| | | 2.5 | Select appropriate block |
| 3 | Apply basic patternmaking principles to develop patterns | 3.1 | Apply patternmaking principles in developing patterns |
| | | 3.2 | Document methods and formulas used |
| | | 3.3 | Check pattern pieces for accuracy, including seam and ease allowances, seam match, hems and functional openings |
| | | 3.4 | Label all pattern pieces, including grain lines, notches, pattern information and cutting instructions |
| 4 | Test patterns and complete work | 4.1 | Make a toile to test fit and accuracy of pattern |
| | | 4.2 | Alter pattern to reflect test fitting outcomes and quality standards |
| | | 4.3 | Document alterations to patterns |
| | | 4.4 | Complete pattern specification sheets and attach to patterns for storage |
| | | 4.5 | File finished patterns in storage system |

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
- 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

Garments include one or more of the following:

- skirts
- trousers/pants
- shirts/blouses
- dresses

Methods and formulas include one or more of the following:

- deviations from standard patterns
- sources of pattern components
- pattern derivation methods and formulas
- block construction methods and formulas

Unit Mapping Information

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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 MSTCL3009 Develop patterns from a block using basic patternmaking principles

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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
- interpreting and applying correct pattern and garment terminology
- taking measurements
- identifying, selecting and using the appropriate tools and equipment for patternmaking
- selecting the appropriate block and developing a pattern to demonstrate a variety of pattern styles
- applying the patternmaking principles of square block and dart manipulation in developing at least two (2) patterns according to the specifications
- checking pattern pieces for accuracy, including seam and ease allowances, seam match, hems and functional openings
- labelling all pattern pieces, including grain lines, notches, pattern information and cutting instructions
- making toile to test fit and accuracy of pattern and assessing against design specifications
- making any necessary alterations to finalise pattern and check it is accurate, complete and complies with design specifications
- cutting out and labelling pattern pieces accurately
- documenting alterations to patterns
- completing pattern specification sheets and attaching to patterns for storage
- filing finished patterns in storage system.

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
- patternmaking principles and design terminology
- patternmaking tools and equipment:
 - pattern blocks
 - scissors

- ruler
- square rule
- marker pens
- hole punch
- pins
- fashion triangle
- French curve
- pattern notcher
- weights
- tape measure
- pattern markings:
 - appropriate seam allowance
 - notching
 - pattern information (size, style number, cutting instructions and identity)
 - darts
 - drill holes
 - grain line
 - stitching line
- style features
- fabric performance characteristics
- quality standards and practices
- sequence of operations
- 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 developing patterns from a block, 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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