



Australian Government

MSTML2002 Make flat patterns for millinery

Release: 1

MSTML2002 Make flat patterns for millinery

Modification History

Release 1. Supersedes and is equivalent to LMTML2002A Make flat patterns for millinery

Application

This unit of competency covers the skills and knowledge required to construct flat patterns for millinery using measurements, mathematical calculations and geometry.

The unit of competency applies to the construction of flat patterns onto paper or cardboard based on taken and calculated measurements.

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

Millinery

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 to make millinery patterns | 2.1 | Identify pattern pieces and the measurements required for pattern |
| | | 2.2 | Select model to suit design specifications |
| | | 2.3 | Take measurements, make calculated measurements, document and check for accuracy |
| | | 2.4 | Select manual or electronic construction method to suit pattern |
| | | 2.5 | Select and prepare patternmaking tools and equipment |
| | | | |
| 3 | Construct millinery pattern | 3.1 | Construct patterns using millinery flat pattern construction principles |
| | | 3.2 | Apply measurements and calculations to construct pattern |
| | | 3.3 | Check pattern pieces for accuracy, including seam allowances, ease allowance, proportion and seam match |
| | | 3.4 | Make a test toile to check that design requirements are met |
| | | 3.5 | Modify or alter patterns according to results from the test toile |
| | | | |
| 4 | Finalise millinery patterns | 4.1 | Label pattern pieces, including grain lines, notches, pattern information and cutting instructions |
| | | 4.2 | Complete pattern specification sheet according to workplace requirements and procedures |
| | | 4.3 | File final patterns or pass on to the next operation |
| | | 4.4 | Complete all required documentation |

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

Taken measurements include one or more of the following:

- head size
- ear-to-ear measurements
- front-to-back measurements
- linear
- circular

Calculated measurements include one or more of the following:

- radius
- circumference
- diameter
- ratios
- division
- percentages and fractions

Electronic methods include the following:

- use of computer-aided design (CAD) programs
- electronic equipment

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 MSTML2002 Make flat patterns for millinery

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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 on at least two occasions and include:

- reading and following work instructions, standard operating procedures (SOPs), safe work practices
- identifying pattern pieces and measurements required for a millinery design
- taking measurements and calculating measurements using set formulae
- selecting model to suit design specifications
- using flat patternmaking and pattern construction methods to develop at least two (2) patterns for millinery
- making toile to test patterns
- producing accurate final flat patterns that meet design and size requirements
- completing pattern specification sheet
- maintaining accurate records.

Knowledge Evidence

Evidence must be provided that demonstrates knowledge of:

- safe work practices and procedures and use of personal protective equipment (PPE)
- requirements of the design and production of millinery
- models:
 - client
 - house model
 - millinery block
 - mannequin
- tools and equipment:
 - computer-aided design (CAD) system
 - square ruler
 - compass, protractor
 - tape measure
 - French curve
 - mitre ruler
 - triangles

- hole punch
- scissors
- simple mathematical calculations using set formulae
- simple geometric principles for constructing circles, squares, rectangles and angles
- millinery flat pattern construction principles:
 - circular principles
 - angular principles
 - constructing and modifying arcs
 - square blocking
 - pivoting
 - contour sectioning
 - cut and spread
- design and size requirements
- 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 making flat patterns for millinery, 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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