



Australian Government

MSTAT5009 Develop and test patterns for bras and swimwear

Release: 1

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Modification History

Release 1. Unit Code and Application changed. One prerequisite unit removed. Content already covered in remaining prerequisite unit removed. Elements and Performance Criteria simplified with Element 1 and 2 combined. Some PCs changed and/or re-ordered. Foundation Skills field populated. Range of Conditions removed with relevant information moved to other parts of unit. Assessment Requirements clarified with generic foundation skills statements moved to appropriate section and duplication with Performance Criteria removed. Supersedes and is not equivalent to MSTFD5002 Develop and test patterns for bras and swimwear.

Application

This unit describes the skills and knowledge required to develop and test patterns for bra and swimwear production using an existing block and applying patternmaking principles. The unit of competency applies to patterns which include structured foundations. Bras and swimwear that do not include these components are covered in other patternmaking units.

This unit applies to patternmakers who work in accordance with existing specifications using discretion, judgement and problem solving to achieve work outcomes.

No licensing or certification requirements exist at the time of publication. Relevant legislation, industry standards and codes of practice within Australia must be applied.

Pre-requisite Unit

MSTAT3002 Develop patterns using basic patternmaking principles

Competency Field

Apparel and Textile Production

Elements and Performance Criteria

Elements	Performance Criteria
Elements describe the essential outcomes.	Performance criteria describe the performance needed to demonstrate achievement of the element.
1. Determine pattern requirements	1.1 Identify job requirements from work documentation 1.2 Select and prepare required patternmaking tools, equipment and materials 1.3 Interpret design specifications and drawings, and identify design lines and style features

Elements	Performance Criteria
Elements describe the essential outcomes.	Performance criteria describe the performance needed to demonstrate achievement of the element.
	1.4 Confirm fabric characteristics and performance, trims, components and finishings specified in the design 1.5 Consider current practices, specialised needs and special construction methods for bras and swimwear with structured foundations 1.6 Determine size and fit standards for organisation
2. Create pattern for bras and swimwear	2.1 Plan and document pattern production in accordance with quality standards and workplace procedures 2.2 Select appropriate block for developing bra or swimwear pattern 2.3 Produce pattern to achieve required outcome 2.4 Check pattern pieces, label and complete markings 2.5 Identify and document any construction problems and ensure pattern meets requirements
3. Check and finalise pattern	3.1 Check components and assess the pattern is compatible with design 3.2 Complete any pattern alterations and confirm pattern meets fit and design requirements 3.3 Finalise pattern and check it is accurate, complete and complies with design specifications 3.4 Complete pattern specification sheet, attach to patterns for storage and file appropriately

Foundation Skills

This section describes those language, literacy, numeracy and employment skills that are essential to performance but not explicit in the performance criteria.

- Reading skills to source and interpret information about the garment requirements and relevant parameters for construction
- Writing skills to communicate factual pattern and production information in specification sheets and other relevant work documents
- Numeracy skills to interpret and use pattern construction formulas and work with measurement concepts.

Other foundation skills essential to performance are explicit in the performance criteria of this unit.

Unit Mapping Information

No equivalent 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 MSTAT5009 Develop and test patterns for bras and swimwear

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Performance Evidence

There must be evidence the candidate has completed the tasks outlined in the elements and performance criteria of this unit, and demonstrated the ability to:

- develop patterns for at least two bra or swimwear items targeted at different markets from an existing block, with the two items to collectively include:
 - at least one of the following:
 - bra and swimwear structure for a client group with special needs
 - sports and fuller figure bras and swimwear with the need for extra support
 - use of specialist materials and trims
 - use of two of the following fabrics:
 - one-way stretch
 - two-way stretch
 - no stretch
 - use of one of the following:
 - boning
 - corsetry
 - moulded cups
 - underwire.
 -

Knowledge Evidence

There must be evidence the candidate has knowledge of:

- how to interpret design specifications for structured bras and swimwear and the types of information included in specifications
- characteristics of one-way, two-way and no-stretch fabrics
- bra and swimwear cutting and construction techniques

- garment patternmaking methods and formulas
- style features and components of structured bras and swimwear and how these affect the patternmaking process, including:
 - straps
 - hooks
 - elastic
 - fasteners
 - ribbon
 - underwire
 - foam padding
 - oil filled straps
 - rings
 - fine lace and delicate fabrics
- current practices and special construction methods for bras and swimwear with structured foundations, including:
 - fusing
 - bonding
 - moulding
 - sewing and stitch requirements
 - seam allowances and finishes.
-

Assessment Conditions

Skills must have been demonstrated in the workplace or in a simulated environment that reflects workplace conditions and contingencies. The following conditions must be met for this unit:

- use of suitable facilities, equipment and resources, including:
 - design specifications
 - existing blocks
 - patternmaking tools and equipment.

Assessors must satisfy the NVR/AQTF mandatory competency requirements for assessors.

Links

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