



Australian Government

MSTFD5005 Manipulate fabrics to create new finishes

Release: 2

MSTFD5005 Manipulate fabrics to create new finishes

Modification History

Release 2. Supersedes and is equivalent to MSTFD5005 Manipulate fabrics to create new finishes (Release 1).

Pre-requisite unit, MSTGN2011 Identify fibres, fabrics and textiles used in the TCF industry, is **superseded by** MSTGN2013 Identify fibres, fabrics and textiles used in the TCF industry.

Release 1. Supersedes and is equivalent to LMTFD5005B Manipulate fabrics to create new finishes.

Application

This unit of competency covers the skills and knowledge required to use manipulation techniques to create decoration for fabric design effects.

The unit of competency applies to manipulating a range of textiles that are used in the production of garments and accessories.

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

MSTGN20 13 Identify fibres, fabrics and textiles used in the TCF industry

MSTCL30 01 Identify fabric performance and handling requirements

Competency Field

Fashion design and technology

Unit Sector

Not applicable

Elements and Performance Criteria

Elements describe the Performance criteria describe the performance needed to

essential outcomes.		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 manipulate fabrics	2.1	Identify a range of fabric manipulation techniques
		2.2	Identify effects of manipulation on different textiles
		2.3	Identify processes to achieve different manipulations
		2.4	Investigate how uses of manipulation inform and inspire design
		2.5	Identify the role of manipulation as a production tool and its effect on design
3	Manipulate textiles to produce work sample	3.1	Apply manipulation techniques to a variety of textiles
		3.2	Assess outcome and modify manipulation as required to provide quality outcomes
		3.3	Produce samples of manipulated textiles
		3.4	Document techniques and their effects for future reference

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

Fabric manipulation includes three or more of the following:

- crushing
- heat application
- tucking
- pleating
- shrinking
- dyeing

Textiles include one or more of the following:

- knitted fabrics, including weft knits and warp knits
- woven fabrics, including plain, twill, satin, dobby and jacquard
- non-woven fabrics, such as felts, nets, braids and bonded
- raw materials
- yarns
- man-made materials

Unit Mapping Information

Release 2. Supersedes and is equivalent to MSTFD5005 Manipulate fabrics to create new finishes (Release 1).

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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 MSTFD5005 Manipulate fabrics to create new finishes

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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) and safe work practices
- applying relevant standards
- providing at least ten (10) illustrations that demonstrate a range of fabric manipulation techniques on a variety of fabrics
- identifying and illustrating three (3) examples of how uses of manipulation inform and inspire design
- experimenting with at least three (3) manipulation techniques on different fabrics to determine their effects
- assessing outcomes and modifying manipulation as required to enhance effects
- documenting manipulation techniques and their effects for future reference.
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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
- uses and performance characteristics of textiles, fibres and fabrics
- Australian Standards for garment production and use of chemicals
- manipulation techniques:
 - crushing
 - heat application
 - tucking
 - pleating
 - shrinking

- dyeing
- quality practices
- workplace practices
- 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 manipulating fabrics, 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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