



Australian Government

MSTFD4019 Use colourisation techniques on fabrics

Release: 2

MSTFD4019 Use colourisation techniques on fabrics

Modification History

Release 2. Supersedes and is equivalent to MSTFD4019 Use colourisation techniques on fabrics (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Pre-requisite unit, MSTGN2011 Identify fibres, fabrics and textiles used in the TCF industry, is **superseded by** MSTGN2013 Identify fibres, fabrics and textiles used in the TCF industry.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 LMTFD4019B Use colourisation techniques on fabrics.

Application

This unit of competency covers the skills and knowledge required to use fabric colourisation techniques to create new finishes for design effects.

The unit of competency applies to using a variety of colourisation techniques, such as dyeing or printing on a range of fabrics, for garments and accessories. Colourisation techniques would be specified in the design process.

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

MSTGN2013 Identify fibres, fabrics and textiles used in the TCF industry

MSTCL3001 Identify fabric performance and handling requirements

Competency Field

Fashion design and technology

Elements and Performance Criteria

Elements

Elements describe the essential outcomes.

1 Determine job

Performance Criteria

Performance criteria describe the performance needed to demonstrate achievement of the element.

1. Follow standard operating procedures (SOPs)

requirements	1
	1. Comply with work health and safety (WHS) requirements at all times
	1. Use appropriate personal protective equipment (PPE) in accordance with SOPs
	1. Determine job requirements from specifications, job sheets or work instructions
2 Prepare to use colourisation techniques	2. Identify the range of fabric colourisation techniques
	2. Identify the effects of colourisation techniques on different fabrics
	2. Identify different processes to achieve different colourisation techniques
3 Use colourisation techniques	3. Experiment with colourisation techniques on a variety of fabrics
	3. Assess outcome and modify techniques and/or fabrics, as required
	3. Identify effects of colourisation on the design
4 Finalise and record colourisation techniques	4. Use a range of colourisation techniques to create design effects on fashion products and comply with quality criteria
	4. Document the processes and outcomes and store 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
- 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 colourisation techniques include one or more of the following:

- dyeing (shibori and resist (batik))
- printing (block, silk screen, transfer, roller and stencilling)

Fabrics 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

Uses of colour include one or more of the following:

- dyeing fabrics to match others
- over-printing fabrics to create a new print design
- mixing colours to create something different
- removing colour to create print design
- emphasising texture and patterns

Unit Mapping Information

Release 2. Supersedes and is equivalent to MSTFD4019 Use colourisation techniques on fabrics (Release 1).

Release 1. Supersedes and is equivalent to LMTFD4019B Use colourisation techniques on fabrics.

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 MSTFD4019 Use colourisation techniques on fabrics

Modification History

Release 2. Supersedes and is equivalent to MSTFD4019 Use colourisation techniques on fabrics (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 LMTFD4019B Use colourisation techniques on fabrics.

Performance Evidence

Evidence required to demonstrate competence in this unit must be relevant to and satisfy all of 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
- identifying the effects of colourisation techniques on at least 5 different fabrics
- experimenting with at least 3 different colourisation techniques on a range of fabrics
- assessing outcome and modifying techniques and/or fabrics, as required
- applying knowledge of fabric characteristics to identify effects of colourisation on the design
- applying a range of colourisation techniques to create design effects and satisfy quality criteria
- documenting and storing information to record the processes.

Knowledge Evidence

Evidence must be provided that demonstrates knowledge of:

- work instructions, SOPs and safe work practices
- relevant Australian Standards
- uses and performance characteristics of fabrics
- information resources on fibres and fabrics
- characteristics of fibres and fabrics
- recording and reporting practices
- uses of colour to create design effects
- colourisation techniques:
 - dyeing (shibori and resist (batik))
 - printing (block, silk screen, transfer, roller and stencilling)
- quality criteria:

- proportion
- perspective
- symmetry and balance
- detailing
- neatness
- maintaining records.

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 colourisation techniques, 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.

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=a203ec5c-de7d-406b-b3e1-8f1a9b76e92e>