



Australian Government

MSTCL3001 Identify fabric performance and handling requirements

Release: 2

MSTCL3001 Identify fabric performance and handling requirements

Modification History

Release 2. Supersedes and is equivalent to MSTCL3001 Identify fabric performance and handling requirements (Release 1).

Prerequisite unit - MSTGN2011 Identify fibres, fabrics and textiles used in the TCF industry is superseded by MSTGN2013 Identify fibres, fabrics and textiles used in the TCF industry.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 LMTCL3001B Identify fabric performance and handling requirements.

Application

This unit of competency covers the skills and knowledge required to identify fabric performance and handling requirements.

The unit of competency applies to fabrics used to produce garments and accessories and includes sourcing information from reference material and industry specialists, as well as conducting simple tests to identify fabric types and properties. Identification methods and tests covered by this unit are those where the procedure has already been determined and the range of outcomes established.

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

MSTGN2011 Identify fibres, fabrics and textiles used in the TCF industry

Competency Field

Clothing production

Elements and Performance Criteria

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
1 Determine job requirements	1. Follow standard operating procedures (SOPs) 1

1. Comply with work health and safety (WHS) requirements at all times
 - 2
1. Use appropriate personal protective equipment (PPE) in accordance with SOPs
 - 3
1. Identify job requirements from specifications, drawings, job sheets or work instructions
 - 4
- 2 Identify fabric performance characteristics**
 2. Use identification methods to identify fabrics and component fibres
 - 1
 2. Identify key performance characteristics of fabrics
 - 2
 2. Conduct performance testing of fabrics
 - 3
 2. Identify common problems and faults of fabrics
 - 4
 2. Identify fabric quality using established quality indicators
 - 5
- 3 Identify fabric handling requirements**
 3. Use performance characteristics to describe appropriate uses of fabrics
 - 1
 3. Identify fibre and fabric finishes and implications for handling
 - 2
 3. Identify care requirements in handling fabrics and implications for production
 - 3
- 4 Identify cleaning and labelling requirements**
 4. Identify care and cleaning requirements of fabrics
 - 1
 4. Identify labelling requirements according to current Australian Standards
 - 2
 4. Record outcomes according to workplace procedures
 - 3

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 types include the following:

- natural and synthetic single yarn fabrics and blends
- knitted fabrics, including weft knits and warp knits
- woven fabrics, including plain, twill, satin, dobby, jacquard and pile
- non-woven fabrics, such as felts, nets, braids, bonded and composite
- emerging smart fabrics

Performance characteristics include one or more of the following:

- stretch
- abrasion
- wearability
- absorbency
- durability
- elasticity

- heat sensitivity
- shrink resistance
- ease of care
- drape quality
- colour fastness
- strength

Performance testing includes five or more of the following:

- light
- heat
- chemical reaction
- absorbency
- abrasion
- pill
- wash
- fabric finish

Finishes includes four or more of the following:

- crease resistance
- fire retardency
- waterproofing or water resistance
- colouration for structural or applied design such as printing or dyeing
- surface finishes for aesthetics, stability or serviceability
- interlacing and interloping

Handling fabrics includes one or more of the following:

- cutting
- dyeing
- printing
- pressing
- lining
- assembling
- sewing
- packaging and storage

Implications for production include one or more of the following:

- sewing requirements such as needle size and type, machine type, thread type
- binding, joining, fusing requirements
- lining, reinforcement
- seam types

Unit Mapping Information

Release 2. Supersedes and is equivalent to MSTCL3001 Identify fabric performance and handling requirements (Release 1).

Release 1. Supersedes and is equivalent to LMTCL3001B Identify fabric performance and handling requirements.

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=a203ec5c-de7d-406b-b3e1-8fla9b76e92e>