



**Australian Government**

# **Assessment Requirements for MSTGN2011**

## **Identify fibres, fabrics and textiles used in the TCF industry**

**Release: 1**

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## **Modification History**

Release 1. Supersedes:

- LMTCL2003B Identify fibres and fabrics
- LMTTX2001B Identify fibres, yarns and textile materials and their uses in textile production

Not equivalent

## **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), safe work practices
- applying relevant standards
- identifying at least five (5) types of fibres, yarns, fabrics and textile materials and their labelling requirements according to relevant standards
- identifying at least five (5) textile fibres and yarns used construction processes
- identifying physical and visual properties of at least five (5) common fabrics or textiles, including emerging materials, relevant to sector or enterprise
- distinguishing methods of constructing fabric and textile material
- identifying suitable application and end uses of at least five (5) fibres, yarns, fabrics and textile materials
- comparing fibres, yarns and textile materials to specifications and quality requirements in an identified sector or enterprise.

## **Knowledge Evidence**

Evidence must be provided that demonstrates knowledge of:

- safe work practices and procedures and use of personal protective equipment (PPE)
- AS/NZS 1957:1998 Textiles - Care labelling
- fibre, yarn, fabric and textile identification, such as:
  - natural fibres, such as cotton, wool, silk and linen
  - synthetic fibres, such as polyamide, polyester, acrylic, lycra, rayon and acetate
- types of fabrics and textiles and their construction methods, such as:
  - 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
- features and characteristics of fibres, yarns, fabrics and textile materials, such as:
  - bias
  - stretch
  - fraying
  - feel
  - handle
  - shrinkage
- fibres, yarns and textile construction processes, such as:
  - spun
  - ply
  - combo
  - blended
  - crimped
  - monofilament
  - multifilament
  - staple spun
  - technical textiles
- methods of identifying fibres, such as:
  - labelling
  - visual
  - handle
  - acetone
  - burn test
- fabric construction processes, such as:
  - spinning
  - knitting
  - weaving
  - blending
  - fusing
  - bonding
  - finishing
- textile processing
- visual features, such as:
  - colours
  - textures
  - patterns
  - right side/wrong side
- fabric and textile qualities, such as:

- firmness
- softness
- handle
- weight
- grain
- gauge
- drape
- porosity
- covering power
- count
- light penetration
- generic and trade names for common fabrics and textile materials
- fabric and textiles uses
- quality standards and practices
- workplace procedures.

## 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 identifying fibres, fabrics and textiles in the TCF industry, 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.
- The unit is applicable to all TCF sectors and assessment must ensure it is delivered to suit the industry it is being applied to.

## Links

Companion Volume implementation guides are found in VETNet -

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