



Australian Government

Assessment Requirements for MSTGN2013

Identify fibres, fabrics and textiles used in the TCF industry

Release: 1

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Modification History

Release 1. Supersedes and is equivalent to MSTGN2011 Identify fibres, fabrics and textiles used in the TCF industry.

Unit code changed. Range of conditions removed. Element removed. Repeated performance criteria removed. Foundation skills information added. Assessment requirements amended. Equivalent outcome.

Performance Evidence

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

- identified the labelling requirements of at least five textile materials, according to relevant standards
- identified the types of fibres and the construction process used in five different samples of fabric
- identified physical and visual properties of at least five common fabrics or textiles, including emerging materials, relevant to sector or workplace
- distinguished methods of constructing fabric and textile material
- identified suitable application and end uses of at least five fibres, yarns, fabrics and textile materials, relevant to sector or workplace
- compared fibres, yarns, fabrics and textile materials (minimum one of each) to specifications and quality requirements in an identified sector or workplace.

Knowledge Evidence

There must be evidence the candidate has knowledge of:

- key components of AS/NZS 1957:1998 Textiles - Care labelling, with variations and additions made by Consumer Protection Notice No. 25 of 2010 relevant to identifying fibres, fabrics and textiles used in textiles, clothing and footwear (TCF) industry
- techniques for identifying fibre, yarn, fabric and textiles, including:
 - natural fibres: cotton, wool, silk and linen
 - synthetic fibres: polyamide, polyester, acrylic, lycra, rayon and acetate
- types of fabrics and textiles and their construction methods:
 - natural and synthetic single yarn fabrics and blends
 - knitted fabrics: weft knits and warp knits
 - woven fabrics: plain, twill, satin, dobby, jacquard and pile
 - non-woven fabrics: felts, nets, braids, bonded and composite
 - emerging smart fabrics

- features and characteristics of fibres, yarns, fabrics and textile materials:
 - bias
 - stretch
 - fraying
 - feel
 - handle
 - shrinkage
- construction processes for the following fibres, yarns and textiles:
 - spun
 - ply
 - combo
 - blended
 - crimped
 - monofilament
 - multifilament
 - staple spun
 - technical textiles
- methods of identifying fibres:
 - labelling
 - visual
 - handle
 - acetone
 - burn test
- fabric construction processes:
 - knitting
 - weaving
 - blending
 - fusing
 - bonding
 - finishing
- visual features of products:
 - colours
 - textures
 - patterns
 - right side and wrong side
- fabric and textile qualities:
 - firmness
 - softness
 - handle
 - weight

- grain
- gauge
- drape
- porosity
- count
- light penetration
- generic and trade names for common fabrics and textile materials
- fabric and textile uses.
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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 different fibres, fabrics and textiles required in performance evidence.

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

Links

Companion Volume implementation guides are found in VETNet -

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