



Australian Government

Assessment Requirements for MSTTX3001

Identify quality and types of textile fibres, yarns and fabrics

Release: 2

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Modification History

Release 2. Supersedes and is equivalent to MSTTX3001 Identify quality and types of textile fibres, yarns and 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Pre-requisite unit, MSTGN2011 Identify fibres, fabrics and textiles used in the TCF industry, is **superseded by** MSTGN2013 Identify fibres, fabrics and textiles used in the TCF industry.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 LMTTX3001B Identify quality and types of textile fibres, yarns and fabrics.

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 performance characteristics of a sample of at least twelve (12) varied fibres, yarns and fabrics
- identifying common fibre and yarn faults and the problems they cause in fabric production or the finished product
- using quality indicators to determine fibre, yarn and fabric quality, identify quality faults and appropriate action to deal with faults, of at least twelve (12) examples
- conducting performance testing of at least six (6) examples of fibre, yarn and fabric in accordance with workplace procedures
- checking fibres yarns and fabrics against quality standards
- distinguishing performance characteristics and appropriate uses of at least six (6) fabrics
- identifying at least four (4) fabric finishes relevant to an identified context and implications for care, handling and use
- determining the cleaning and labelling requirements of at least six (6) fabrics, according to workplace procedures and Australian Standards.

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
- types of fibre, yarn and fabric and their care requirements
- performance, uses and characteristics of fibres, yarns and fabrics:
 - stretch

- abrasion resistance
- wearability
- absorbency
- durability
- elasticity
- fineness
- heat sensitivity
- shrink resistance
- wrinkle recovery
- thermal properties (conductivity, ironing temperature and flammability)
- ease of care
- drape quality
- colour fastness
- strength
- information resources on fibres, yarn and fabrics
- quality indicators:
 - straightness of grain
 - even/uneven yarn
 - slippage
 - length of fibres
 - pilling
 - fabric resilience
 - workability
 - wash testing
 - shade
 - tensile properties
 - handling
- types of performance testing
- types of fabric finishes
- quality standards and practices
- workplace procedures
- 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 identifying quality and type of fibres, yarns and 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.

Links

Companion Volume implementation guides are found in VETNet -

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