



Australian Government

Assessment Requirements for MSTGN4027 Perform routine textile testing and analyse results

Release: 1

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Modification History

Release 1. Unit Code and Application changed. Prerequisite units removed. Elements and Performance Criteria simplified with Element 1 removed. Foundation Skills field populated. Range of Conditions removed with relevant information moved to Performance or Knowledge Evidence. Assessment Requirements clarified with generic foundation skills statements moved to appropriate section and duplication with Performance Criteria removed. Supersedes and is not equivalent to MSTTX4003 Perform routine textile testing and analyse results.

Performance Evidence

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

- determine testing requirements and appropriate methods for at least five different textiles
- conduct, document and analyse tests on at least three different textile materials, to include testing for at least two of the following:
 - fibre thickness
 - fibre length
 - linear density
 - abrasion
 - dimensional change
 - chemical properties
 - strength
 - seam opening
 - colour fastness (wash, perspiration, rubbing and light)
 - mass per unit area.

Knowledge Evidence

There must be evidence the candidate has knowledge of:

- textile industry terminology
- standard textile test and results analysis procedures to determine properties, including weight, length ratio, fibre mass, shrinkage, chemical properties, fibre strength, seam opening, colour fastness properties, strength and abrasion
- types of textile test equipment
- international specification standards
- textile production processes
- testing documentation requirements.

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:
 - textile specifications
 - textile materials to be tested
 - testing materials, tools and equipment.

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>