



Australian Government

MSTGN4028 Research and use information about textiles

Release: 1

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Modification History

Release 1. Unit Code, Title and Application changed. Prerequisite units removed. Elements and Performance Criteria restructured. Foundation Skills field populated. Range of Conditions removed. Assessment Requirements clarified with generic foundation skills statements moved to appropriate section and duplication with Performance Criteria removed. Supersedes and is not equivalent to MSTTX4002 Understand and apply textile science.

Application

This unit describes the skills and knowledge required to identify current and emerging issues about textile safety and sustainability and to source and use information about the physical and chemical properties of fibres, yarns and fabrics, including how materials are affected when subjected to various treatments.

This unit applies to any individual involved in the design, treatment and processing of textile materials whose work involves the analysis of information from diverse sources as the basis for decision-making.

No licensing or certification requirements exist at the time of publication. Relevant legislation, industry standards and codes of practice within Australia must be applied.

Competency Field

Generic

Elements and Performance Criteria

Elements	Performance Criteria
Elements describe the essential outcomes.	Performance criteria describe the performance needed to demonstrate achievement of the element.
1. Source and interpret information about textile materials	1.1 Identify current and emerging issues about textile materials that impact the workplace 1.2 Identify and access reliable sources of information about textile materials 1.3 Interpret information sources and identify physical and chemical properties of textile materials 1.4 Determine potential implications of textile properties on material selection and production processes
2. Investigate effects of textile processes from	2.1 Identify the effects of treatment and textile processing on textile materials and resulting safety and sustainability considerations

Elements	Performance Criteria
Elements describe the essential outcomes.	Performance criteria describe the performance needed to demonstrate achievement of the element.
information sources	2.2 Determine the behaviour or impact of treatment and textile processing on the physical and chemical properties of textile materials 2.3 Review and interpret textile testing data to establish or validate effects of treatment and textile processing
3. Maintain currency of knowledge	3.1 Identify and use opportunities to update and maintain textile knowledge 3.2 Share updated and accurate information in the workplace to support effective decision-making about products and processes

Foundation Skills

This section describes those language, literacy, numeracy and employment skills that are essential to performance but not explicit in the performance criteria.

- Reading skills to interpret diverse and potentially complex technical information
- Numeracy skills to interpret technical data in information about test results.

Other foundation skills essential to performance are explicit in the performance criteria of this unit.

Unit Mapping Information

No equivalent unit.

Links

Companion Volume implementation guides are found in VETNet -

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