



Australian Government

MSTGN5018 Research and analyse textile materials

Release: 1

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Modification History

Release 1. Merges MSTFD6009 and MSTTD6001. Unit Code, Title and Application changed. Elements and Performance Criteria simplified and restructured with Element 1 removed. 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 MSTFD6009 Analyse fashion industry textiles to guide commercial development.

Application

This unit describes the skills and knowledge required to research and analyse textile materials and to make recommendations about their use in a business context. It includes the analysis of different aspects of materials such as fibre properties, quality, construction processes, finish and end use with a focus on establishing the ethical, sustainability, design and production implications of findings for business activities.

This unit applies to individuals working independently or within broad guidelines.

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

Pre-requisite Unit

Nil

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. Establish research scope	1.1 Establish research objectives that reflect business requirements 1.2 Establish criteria for materials to be researched and proposed research scope 1.3 Develop research plan that identifies materials to be researched
2. Complete research	2.1 Source and analyse information about textiles and determine fibre properties, qualities, aesthetic and performance characteristics

Elements	Performance Criteria
Elements describe the essential outcomes.	Performance criteria describe the performance needed to demonstrate achievement of the element.
	2.2 Establish the sustainability of materials through investigation of complete lifecycle 2.3 Identify current and emerging materials construction processes 2.4 Investigate new and emerging textiles and textile processing techniques 2.5 Research both global and domestic trends in materials and their business implications 2.6 Identify routine and non-routine tests to gather data on textile materials and products 2.7 Determine care and end-use considerations for materials 2.8 Establish textile factors that influence quality of finished products
3. Analyse research findings	3.1 Analyse research findings against research objectives and criteria, and prioritise according to significance for business activities 3.2 Take into account sustainability, intellectual property and ethical practice considerations to select findings with most potential 3.3 Analyse features and benefits, and disadvantages or risks, of selected findings 3.4 Prepare research report that summarises key findings and makes recommendations to meet business requirements

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 source and interpret diverse and potentially complex information
- Writing skills to develop cohesive report and substantiated recommendations.

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>