



Australian Government

**Assessment Requirements for MSTTD6001
Research commercial development of
textiles**

Release: 1

Assessment Requirements for MSTTD6001 Research commercial development of textiles

Modification History

Release 1. Supersedes and is equivalent to LMTTD6001A Research commercial development of textiles

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
- planning and conducting research into textiles and textile products in line with business goals
- establishing criteria and parameters for research and developing research plan
- conducting research into textiles, analysing products that incorporate textiles, and researching performance characteristics of at least one (1) sample range of textile products to determine quality
- investigating global and domestic implications for use of textile products
- using a range of routine and non-routine tests to gather data on product quality to identify factors influencing quality of textile products
- analysing findings to identify products with most potential for commercial development and analysing features, benefits and disadvantages or risks, of selected findings
- preparing a 2000-3000 word report in appropriate format, including visual and graphical illustrations and recommendations indicating how findings apply to commercial opportunities and gain.

Knowledge Evidence

Evidence must be provided that demonstrates knowledge of:

- safe work practices and procedures and use of personal protective equipment (PPE)
- sources of information
- qualities and properties of textiles:
 - firmness
 - softness
 - hand
 - weight
 - grain or gauge
 - drape
 - porosity

- covering power
- count
- light penetration
- commercial relevance or objectives for research
- research methodology
- research criteria:
 - scope of research
 - required documentation
 - required research verification
 - research methodologies
 - timing
 - commercial constraints or requirements
- relevant legislation, codes of practice, copyright obligations, policies and procedures
- textile and product testing procedures
- performance characteristics:
 - stretch
 - abrasion
 - wearability
 - absorbency
 - durability
 - elasticity
 - heat sensitivity
 - shrink resistance
 - ease of care
 - drape quality
 - colour fastness
 - strength
- report writing
- report structure:
 - title page
 - table of contents
 - summary
 - introduction
 - theories and hypotheses
 - body (findings and conclusions)
 - methodology
 - test results
 - recommendations
 - references
 - appendixes

- glossary
- report content:
 - text
 - graphs
 - charts
 - tables
 - diagrams
- quality practices
- workplace procedures
- recording and reporting practices.
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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 researching commercial development of textiles, 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.
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Links

Companion Volume implementation guides are found in VETNet -

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