



Australian Government

Assessment Requirements for MSTGN5009 Develop and test TCF products or processes

Release: 1

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Modification History

Release 1. Supersedes and is equivalent to LMTGN5011A Develop and test textile, clothing and footwear products or processes

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
- interpreting design and quality specifications appropriate to at least one (1) TCF product or process from data sheets, production schedules process specifications or the client
- conducting research to identify development options, examining relevance for specific TCF application and developing preliminary design to explore options with key personnel
- developing test procedures and specifications and undertaking test according to test procedures and work health and safety (WHS) practices
- using information from development and testing of TCF product or process to modify and improve design specifications and adjust manufacturing process or identify suitable TCF materials
- documenting improved design and specifications.

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
- textile industry terminology
- international and Australian specification Standards
- TCF production processes, such as:
 - design
 - weaving
 - knitting
 - washing
 - bleaching
 - dyeing
 - tufting
 - assembly

- finishing
- printing
- TCF materials
 - fibres
 - yarns
 - fabrics
 - dyes and chemicals
 - leather
 - technical textiles
- TCF products
- systems and formula used in textile calculations
- routine and non-routine TCF tests
- TCF test equipment and tools
- test materials
- quality practices
- workplace procedures
- practices for recording and reporting
- WHS practices and procedures.

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 developing and testing textile, clothing and footwear products or processes, 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.
- The unit is applicable to all TCF sectors and assessment must ensure it is delivered to suit the industry it is being applied to.

Links

Companion Volume implementation guides are found in VETNet -

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