



Australian Government

**Assessment Requirements for MSTTX4001
Interpret and apply textile calculations and
specifications**

Release: 1

Assessment Requirements for MSTTX4001 Interpret and apply textile calculations and specifications

Modification History

Release 1. Supersedes and is equivalent to LMTTX4001A Interpret and apply textile calculations and specifications

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
- identifying and interpreting specifications relevant to yarn requirements and textile processes
- interpreting and applying terminology used in the textile production industry relating to raw materials, specifications and processing
- determining what calculations are required for specific production processes
- using correct formulas to convert specifications to desired format
- identifying and applying formulas and graphs appropriate for specified textile to calculate requirements for production on at least two (2)
- checking, verifying and recording calculations
- recognising, rectifying and reporting deviations from specifications
- examining and validating deviations from expected outcomes with advice from appropriate information resources
- documenting calculation records to agreed standards
- preparing documentation for testing or production processes.

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
- systems and formula used in textile calculations
- weight length ratio
- international specification standards
- practical application of calculations
- quality practices
- production processes

- resources and research techniques
- workplace procedures
- recording and reporting practices.

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 interpreting and applying textile calculations and specifications, 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.

Links

Companion Volume implementation guides are found in VETNet -

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