



Australian Government

Assessment Requirements for MSTTF2006 Measure and scale geometric shapes

Release: 1

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Modification History

Release 1. Supersedes and is equivalent to LMTTF2006A Measure and scale geometric shapes

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 and safe work practices and other reference material
- applying relevant standards
- conceptualising customer needs from customer information
- interpreting and using information from diagrams and drawings, and taking accurate measurements
- calculating surface areas and calculating measurements and scaling dimensions
- documenting and communicating measurements
- accurately calculating lengths subtended by angles
- accurately calculating angles and scaling drawings to obtain dimensions
- using manual measuring and scaling techniques for at least two (2) objects or structures with different geometrical shapes
- establishing positions of clear panels
- applying workplace procedures.

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
- range of products and services offered by the workplace
- operating principles of products and equipment on offer
- common types of materials used in the industry and their applications
- manual measuring and scaling techniques
- properties of canvas and textile materials used in the industry
- measuring instruments and techniques and scaling process
- mathematical processes and formulae for area and volume
- plane geometry and plane geometrical shapes
- meaning of engineering drawing symbols
- product construction processes commonly used in the industry

- quality practices
- 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 measuring and scaling geometric shapes, 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.
- This unit may be assessed independently or in combination with other relevant units, for example *MSTTF2005 Translate information into measurements or diagrams*.

Links

Companion Volume implementation guides are found in VETNet -

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