



Australian Government

MSTTX3005 Organise and interpret tests

Release: 1

MSTTX3005 Organise and interpret tests

Modification History

Release 1. Supersedes and is equivalent to LMTTX3005B Organise and interpret tests

Application

This unit of competency covers the skills and knowledge required to organise and interpret tests within the textile industry.

The unit of competency applies to organising a range of testing and sampling procedures and equipment, including evenness testing, moisture content, dry fastness, fibre construction, colour matching or other similar processes. Discretion and judgement may be required, for both self and others, in planning and selecting processes, procedures or outcomes.

Work may be conducted in small to large scale enterprises and may involve individual and team activities.

No licensing, legislative or certification requirements apply to this unit at the time of publication.

Pre-requisite Unit

Nil

Competency Field

Textile production

Unit Sector

Not applicable

Elements and Performance Criteria

Elements describe the essential outcomes.

Performance criteria describe the performance needed to demonstrate achievement of the element.

1 Determine job requirements

- 1.1 Follow standard operating procedures (SOPs)
- 1.2 Comply with work health and safety (WHS) requirements at all times
- 1.3 Use appropriate personal protective equipment (PPE) in accordance with SOPs
- 1.4 Identify job requirements from specifications, drawings,

			job sheets or work instructions
2	Prepare to organise and interpret tests	2.1	Confirm sample of material or product for testing
		2.2	Determine and confirm acceptance criteria for testing of sample
		2.3	Confirm test requirements and set up relevant test equipment
		2.4	Confirm calibration, as required, and organise tests to comply with requirements
3	Perform tests	3.1	Test material or product using selected test methods according to industry and workplace procedures
		3.2	Collate and analyse test results
		3.3	Interpret outcomes against process or product requirements
		3.4	Review acceptance criteria and take appropriate action in response to test results, as required
		3.10	
4	Conclude tests	4.1	Report outcomes and advise appropriate personnel
		4.2	Prepare and file reports and documentation

Foundation Skills

This section describes those required skills (language, literacy and numeracy) that are essential to performance.

Foundation skills essential to performance are explicit in the performance criteria of this unit of competency.

Range of Conditions

This field allows for different work environments and conditions that may affect performance. Essential operating conditions that may be present (depending on the work situation, needs of

the candidate, accessibility of the item, and local industry and regional contexts) are included.

Workplace procedures include one or more of the following:

- requirements prescribed by legislation, awards, agreements and conditions of employment
- SOPs
- work instructions
- PPE
- oral, written and visual communication
- quality practices, including responsibility for maintenance of own work quality and contribution to quality improvement of team or section output
- housekeeping
- tasks related to environmental protection, waste disposal, pollution control and recycling
- WHS practices

Australian Standards include:

- the relevant industry or Australian Standards that are current at the time this unit is being undertaken

Test equipment includes one or more of the following:

- general laboratory equipment, such as:
- weighing scales
- ruler templates
- strength testers
- conditioners and dryers
- yarn testers
- abrasion testers
- pilling box
- lighting equipment used for colour testing
- other similar devices or equipment

Unit Mapping Information

Release 1. Supersedes and is equivalent to LMTTX3005B Organise and interpret tests

Links

Companion Volume implementation guides are found in VETNet -

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

Assessment Requirements for MSTTX3005 Organise and interpret tests

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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, test methods
- applying relevant standards
- confirming sample of material or product for testing
- confirming test requirements and set up relevant test equipment
- testing material or product using selected test methods according to industry and workplace procedures on at least two (2) occasions
- collating and analysing test results
- ensuring tests are conducted against quality standards
- interpreting outcomes against requirements
- communicating effectively with design team and customers
- reporting outcomes and advising appropriate personnel
- preparing and filing reports and documentation.

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
- methods and principles of testing and how they are used to assist in assessing the quality of raw materials/products in the textile industry
- types of tests
- analysis techniques
- product and process specifications
- raw materials and their properties
- quality standards and 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 organising and interpreting tests, 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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