



Australian Government

MSTGN2006 Perform test or inspection to check product quality

Release: 1

MSTGN2006 Perform test or inspection to check product quality

Modification History

Release 1. Supersedes and is equivalent to LMTGN2006B Perform test or inspection to check product quality

Application

This unit of competency covers the skills and knowledge required to test or inspect product quality.

The unit of competency applies to periodic testing or inspection of raw materials or finished products as part of the production process.

Limited discretion, initiative and judgement may be demonstrated on the job in own work, either individually or in a team environment. Work may be conducted in a variety of environments, including operational workplace activities, restricted space, and hazardous controlled or exposed conditions.

This unit of competency is applicable to all sectors of the textiles, clothing and footwear (TCF) industry.

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

Generic

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
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|-----|---|
| 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 for test or inspection	2.1 Select appropriate materials or samples to test aspects of product quality 2.2 Select and prepare equipment and confirm calibration
3	Perform test or inspection	3.1 Use prescribed testing or inspection procedures to test samples against specified standards 3.2 Comply with workplace procedures, required quality standards and check procedures
4	Record and report result	4.1 Convert collected data into a form suitable for interpretation, where required 4.2 Report outcomes and advise appropriate personnel 4.3 Document and record process and result

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 • requirements prescribed by legislation, awards, agreements and conditions of employment

- one or more of the following:**
- SOPs
 - work instructions
 - 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
- Equipment includes, but is not limited to, one or more of the following:**
- purpose built test equipment
 - general test or inspection equipment related to the particular requirements
- Aspects of product quality include, but are not limited to, the following:**
- consistency in quality
 - producing to specification
 - producing within time requirements
 - meeting customer requirements

Unit Mapping Information

Release 1. Supersedes and is equivalent to LMTGN2006B Perform test or inspection to check product quality

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 MSTGN2006 Perform test or inspection to check product quality

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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 on at least two occasions and include

- reading and following work instructions, standard operating procedures (SOPs), safe work practices
- applying relevant standards
- clarifying and confirming requirements
- setting and operating test or inspection equipment
- testing or inspecting samples on at least two (2) occasions
- interpreting and applying established procedures
- documenting, assessing and reporting data
- maintaining accurate records
- applying workplace procedures.
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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
- inspection and testing processes relevant to the product, such as:
 - visual checking
 - colour matching
 - weighing
 - height
 - weight
 - thickness measuring
 - moisture measuring
 - measuring rubbing fastness
 - stretch
 - wear
 - cracking
 - colour

- gloss
- softness
- handle
- texture
- light and colour fastness
- heat fastness
- tensile characteristics
- flexibility
- test equipment and its operation
- relevant measurement techniques and quality checking procedures
- setting and adjustment requirements
- characteristics of materials
- recording and reporting procedures
- aspects of quality
- 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 performing test or inspection to check product quality, 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.

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