



Australian Government

MSTGN2020 Perform test or inspection to check product quality

Release: 2

MSTGN2020 Perform test or inspection to check product quality

Modification History

Release 2. Supersedes and is not equivalent to MSTTF2016 Inspect canvas or sail product.

Release 1. Supersedes and is equivalent to MSTGN2006 Perform test or inspection to check product quality.

Application

This unit of competency describes the skills and knowledge required to test or inspect product quality as part of periodic testing or inspection of raw materials or finished products during the production process. At this level there is limited discretion, initiative and judgement involved.

This unit applies to all sectors of the textiles, clothing and footwear (TCF) industry and in a variety of environments, including operational workplace activities, restricted space, and hazardous controlled or exposed conditions.

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

No licensing or certification requirements exist at the time of publication. Relevant legislation, industry standards and codes of practice within Australia must be applied.

Pre-requisite Unit

Nil

Competency Field

Generic

Elements and Performance Criteria

Elements <i>Elements describe the essential outcomes.</i>	Performance Criteria <i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
1. Prepare for test or inspection	1.1 Determine job and safe work requirements from work information 1.2 Select appropriate materials or samples to test aspects of product quality 1.3 Select and prepare equipment and confirm calibration
2. Perform test or inspection	2.1 Use prescribed testing or inspection procedures to test samples against specified standards

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	2.2 Comply with workplace procedures, required quality standards and check procedures
3. Record and report result	3.1 Convert collected data into a form suitable for interpretation 3.2 Report outcomes and advise appropriate personnel in accordance with workplace procedures 3.3 Document and record process and result in accordance with workplace procedures

Foundation Skills

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

- Reading skills to interpret work instructions, standard operating procedures (SOPs), quality specifications and key requirements of industry standards
- Numeracy skills to calibrate equipment accurately.

Other foundation skills essential to performance are explicit in the performance criteria of this unit.

Unit Mapping Information

Release 1. Supersedes and is equivalent to MSTGN2006 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 MSTGN2020 Perform test or inspection to check product quality

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Performance Evidence

There must be evidence the candidate has completed the tasks outlined in the elements and performance criteria of this unit, and:

- tested or inspected at least 3 different samples of raw materials and/or finished products, to check product quality, including:
 - accurately setting and operating test or inspection equipment
 - documenting the outcome of the test or inspection.

Knowledge Evidence

There must be evidence the candidate has knowledge of:

- safe work practices and procedures and use of personal protective equipment (PPE)
- key requirements of Australian or industry standards, relevant to product being checked, such as *Australian/New Zealand Standard™ AS/NZS 4146:2000 Laundry practice*
- purpose of the test or inspection being performed
- inspection and testing processes relevant to the product, such as:
 - colour
 - colour matching
 - cracking
 - flexibility
 - gloss
 - greying
 - handle
 - height
 - light and colour fastness, stains, lint, fluff, oil
 - measuring rubbing fastness
 - moisture measuring
 - softness
 - stretch
 - tensile characteristics
 - texture

- thickness measuring
- visual checking
- wear
- weighing
- weight
- whiteness
- test equipment, its safe operation and calibration
- relevant measurement techniques and quality checking procedures
- setting and adjustment requirements
- characteristics of materials samples and tested
- quality requirements for product, such as:
 - consistency in quality
 - producing to specification
 - producing within time requirements
 - meeting customer requirements
- workplace recording and reporting procedures.

Assessment Conditions

Skills must have been demonstrated in the workplace or in a simulated environment that reflects workplace conditions and contingencies. The following conditions must be met for this unit:

- use of suitable facilities, equipment and resources, including:
 - a TCF production or processing environment set up with access to quality specifications and testing equipment.

Assessors must satisfy the NVR/AQTF mandatory competency requirements for assessors.

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