



Australian Government

Department of Education, Employment and Workplace Relations

LMTGN2006B Perform test or inspection to check product quality

Revision Number: 1

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Modification History

Not applicable.

Unit Descriptor

Unit descriptor This unit covers the skills and knowledge to test or inspect product quality.

Application of the Unit

Application of the Unit

The unit 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 i.e. operational workplace activities, restricted space, hazardous controlled or exposed conditions

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

The application of this unit is according to OHS practices of the enterprise and workplace practices, which may include:

- requirements prescribed by legislation, awards, agreements and conditions of employment
- standard operating procedures
- 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

This unit requires the application of skills associated with planning and organising for the safe and effective use of testing processes and technology. This unit also requires communication skills for documenting and reporting test results and data collected. Problem solving and initiative and enterprise are required to identify and record required test results.

Licensing/Regulatory Information

Not applicable.

Pre-Requisites

Prerequisites

Employability Skills Information

Employability Skills This unit contains employability skills.

Elements and Performance Criteria Pre-Content

Not applicable.

Elements and Performance Criteria

ELEMENT	PERFORMANCE CRITERIA
1 Prepare for test or inspection	1.1 Appropriate materials or samples are selected. 1.2 Equipment is selected, prepared and calibration confirmed.
2 Perform test or inspection	2.1 Samples are tested against specified standards according to required quality standards and using prescribed testing or inspection procedures. 2.2 Checks are assessed.
3 Record and report result	3.1 Data collected is converted into a form suitable for interpretation where required. 3.2 Outcomes are reported and appropriate personnel advised. 3.3 Result is recorded.

Required Skills and Knowledge

REQUIRED SKILLS AND KNOWLEDGE

This describes the essential skills and knowledge and their level, required for this unit

Demonstrates knowledge of:

- inspection and testing processes
- test equipment and its operation
- setting and adjustment requirements
- characteristics of materials
- recording and reporting procedures
- quality standards and practices
- OHS practices, including hazard identification and control measures
- workplace practices
- recording and reporting practices

Demonstrates skills to:

- interpret technical data
- set and operate test and inspection equipment and tools
- test and inspect samples
- apply safety practices
- interpret and apply established procedures
- document, assess and transfer information
- read, interpret and follow information on work specifications, standard
- operating procedures and work instructions, and other reference material
- maintain accurate records
- communicate within the workplace
- sequence operations
- meet specifications
- clarify and check task-related information
- carry out work according to OHS practices

Evidence Guide

The Evidence Guide provides advice on assessment and must be read in conjunction with the Performance Criteria, Required Skills and Knowledge, the Range Statement and the Assessment Guidelines for the Training Package.

Critical aspects of evidence	Demonstrates skills and knowledge to: • clarify and confirm requirements • select appropriate materials • ensure machines are calibrated, adjusted and operated correctly • conduct quality inspection and testing of samples • apply OHS practices in work operations • record and report results accurately
Consistency in performance	Consistently applies skills and knowledge when: • organising work • completing tasks according to instructions • working systematically with attention to detail • identifying improvements and avoiding damage • using workplace practices • using OHS practices • recording and reporting accidents and incidents • assessing operational readiness of equipment • recognising and adapting to cultural differences in the workplace, including modes of behaviour and interactions
Resource implications	Access is required to real or appropriately simulated situations, including work areas, materials and equipment, and to information on workplace practices and OHS practices.
Context for assessment	Assessment may occur on the job or in an appropriately simulated environment.
Interdependent assessment	This unit may be assessed independently or in combination with other relevant units.

Range Statement

RANGE STATEMENT

The range statement relates to the unit of competency as a whole. It allows for different work environments and situations that may affect performance. Bold italicised wording, if used in the Performance Criteria, is detailed below. Add any essential operating conditions that may be present with training and assessment depending on the work situation, needs of the candidate, accessibility of the item, and local industry and regional contexts.

Legislative/regulatory requirements	All work must comply with relevant Federal and State or Territory legislative or regulatory requirements.
Test or inspection may include:	• 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
Equipment may include:	• purpose built and general test or inspection equipment related to the particular requirements
OHS practices	OHS practices include hazard identification and control, risk assessment and implementation of risk reduction measures specific to the tasks described by this unit, and may relate to: • manual handling techniques • standard operating procedures • personal protective equipment • safe materials handling • taking of rest breaks • ergonomic arrangement of workplaces • following marked walkways

- safe storage of equipment
- housekeeping
- reporting accidents and incidents
- environmental practices

Unit Sector(s)

Sector All