



Australian Government

MEM15004 Perform inspection

Release: 1

MEM15004 Perform inspection

Modification History

Release 1. Supersedes and is equivalent to MEM15004B Perform inspection

Application

This unit of competency defines the skills and knowledge required to inspect products, keep records and provide feedback on the conformance of product to specifications and applies to inspection of completed or partly completed products produced by others. It applies to a range of manufacturing enterprises and requires application of a range of measuring equipment/devices/ tools.

Where interpretation of technical drawings is required unit MEM09002 Interpret technical drawing should also be selected.

Where the selection and use of engineering measurement is required unit MEM12023 Perform engineering measurements should also be selected.

Where the selection and use of tools is required unit MEM18001 Use hand tools and unit MEM18002 Use power tools/hand held operations, as appropriate should also be selected.

This unit is not intended to be applied to maintenance personnel carrying out their day-to-day activities, for example, fault finding, remedial and checking activities. These skills are covered by other units such as unit MEM18006 Perform precision fitting of engineering components.

This unit should not be selected for the purposes of non-destructive testing where any of the following units have already been selected:

- MEM24002B Perform penetrant testing
- MEM24004B Perform magnetic particle testing
- MEM24006B Perform eddy current testing
- MEM24008B Perform ultrasonic testing
- MEM24010B Perform radiographic testing

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

Band: A

Unit Weight: 2

Pre-requisite Unit

MEM11011 Undertake manual handling

MEM13015 Work safely and effectively in manufacturing and engineering

MEM16006 Organise and communicate information

Competency Field

Quality

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, job sheets or work instructions
2	Inspect products	2.1 Test products for conformance to specifications in accordance with SOPs 2.2 Mark test status on conforming and non-conforming products and ensure records are accurately kept using SOPs
3	Provide feedback	3.1 Test/inspect/measure products after rework or repair 3.2 Report deficiencies or deviations according to SOPs

Foundation Skills

This section describes those required skills (reading, writing, oral communication and numeracy) that are essential to workplace performance in this unit of competency.

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.

Inspection includes one (1) or more of the following:

- 'first piece inspection'
- fixed interval
- sample

Tested for conformance to specifications includes one (1) or more of the following:

- visual inspection
- physical measurements
- chemical tests
- checks for patterns
- templates
- guides

Unit Mapping Information

Release 1. Supersedes and is equivalent to MEM15004B Perform inspection

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=b7050d37-5fd0-4740-8f7d-3b7a49c10bb2>