



**Australian Government**

# **MEM09229 Read and interpret technical engineering drawings**

**Release: 1**

# MEM09229 Read and interpret technical engineering drawings

## Modification History

Release 1. New unit.

## Application

This unit of competency defines the skills and knowledge required to read and interpret technical engineering drawings.

Technical engineering drawings may use perspective, exploded views or hidden detail techniques and may include symbol glossaries. Drawings are provided as described in AS 1100.101 Technical drawing – General principles, or other relevant Australian and international standards from the full range of technical engineering disciplines.

Where any technical engineering drawing, sketch, chart or diagram is only used as a technique for communication, then this unit does not apply and unit MEM12023 Perform engineering measurements or unit MEM16006 Organise and communicate information should be selected as appropriate.

This unit should not be selected when MEM09002 Interpret technical drawing has been selected.

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

## Pre-requisite Unit

Nil

## Competency Field

Drawing, drafting and design

## Elements and Performance Criteria

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
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 Identify job requirements from specifications
2. Read and interpret	2.1 Ensure drawing and version conform to job requirements

<b>Elements</b>	<b>Performance Criteria</b>
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
information on drawing	2.2 Identify components and assemblies or objects 2.3 Interpret dimensions, instructions and material requirements 2.4 Identify symbols used in the drawing 2.5 Prepare a list of required materials and components

## Foundation Skills

This section describes those language, literacy, numeracy and employment skills 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.

Drawing components include:	<ul style="list-style-type: none"> <li>• relationship between the views contained in the drawing</li> <li>• object</li> <li>• units of measurement</li> <li>• dimensions</li> <li>• symbols.</li> </ul>
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## Unit Mapping Information

Release 1. New unit

## Links

Companion Volume implementation guides are found in VETNet - <https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=b7050d37-5fd0-4740-8f7d-3b7a49c10bb2>