



**Australian Government**

# **CPCPCM2040 Read plans, calculate quantities and mark out materials**

**Release: 1**

# CPCPCM2040 Read plans, calculate quantities and mark out materials

## Modification History

Release 1 This version first released with CPC Construction, Plumbing and Services Training Package Release 5.0.

Supersedes and is not equivalent to CPCPCM2040A Read plans and calculate plumbing quantities, and CPCPCM2050A Mark out materials.  
Updated to meet the Standards for Training Packages 2012.

## Application

This unit specifies the skills and knowledge required to read and interpret construction and plumbing plans and specifications and obtain dimensions to calculate material quantities and mark out materials.

In some jurisdictions, this unit of competency may form part of accreditation, licensing, legislative, regulatory or certification requirements.

## Pre-requisite Unit

CPCPCM2043 Carry out WHS requirements

CPCPCM3024 Prepare simple drawings

## Unit Sector

Plumbing

## Elements and Performance Criteria

Elements describe the essential outcomes.

Performance criteria describe what needs to be done to demonstrate achievement of the element.

1 Establish job requirements.

1.1 Access, read and determine requirements from plumbing plans and specifications, relevant Australian Standards, codes, manufacturer's specifications and jurisdictional requirements.

1.2 Obtain, interpret and follow organisational work health

and safety (WHS) and environmental requirements.

- |   |               |                                                                                                                                                       |
|---|---------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
|   | 1.3           | Identify amendments to ensure plans and specifications are the most current version.                                                                  |
|   | 1.4           | Confirm drawing conventions used and their application.                                                                                               |
|   | 1.5           | Select appropriate tools and equipment.                                                                                                               |
|   | 1.6           | Determine type of materials.                                                                                                                          |
|   | 1.7           | Calculate dimensions and material quantities.                                                                                                         |
|   | 1.8           | Document materials list to workplace requirements.                                                                                                    |
| 2 | Mark out job. |                                                                                                                                                       |
|   | 2.1           | Read and determine job dimensions from relevant plans and specifications.                                                                             |
|   | 2.2           | Mark out materials using appropriate marking tools.                                                                                                   |
|   | 2.3           | Check markings for accuracy and compliance with planned dimensions.                                                                                   |
| 3 | Clean up.     |                                                                                                                                                       |
|   | 3.1           | Clear the work area, and dispose of, reuse or recycle materials in accordance with state/territory legislation and workplace policies and procedures. |
|   | 3.2           | Clean tools and equipment, check for serviceability and report any damage, and store and secure.                                                      |

## Foundation Skills

Foundation skills essential to performance are explicit in the performance criteria of this unit of competency.

## Unit Mapping Information

Supersedes and is not equivalent to CPCPCM2040A Read plans and calculate plumbing quantities, and CPCPCM2050A Mark out materials.

## Links

Companion volumes to this training package are available at the VETNet website -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=7e15fa6a-68b8-4097-b099-030a5569b1ad>