



**Australian Government**

# **CPCPMS4023 Design compressed air systems**

**Release: 1**

# CPCPMS4023 Design compressed air systems

## Modification History

- Release 1 This version first released with CPC Construction, Plumbing and Services Training Package Release 6.0
- Supersedes and is equivalent to CPCPMS4023A Design compressed air systems. Updated to meet the Standards for Training Packages 2012.

## Application

This unit specifies the skills and knowledge required to design and size compressed air distribution systems and prepare system plans, specifications, testing and commissioning schedules and operation and maintenance manuals.

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

## Pre-requisite Unit

Nil.

## 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.

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|--|--|
| 1 Identify compressed air system requirements. | 1.1 Access and read plans, job specifications, relevant Australian Standards, codes, manufacturers' instructions and jurisdictional requirements to determine design and size of compressed air systems. |
|  | 1.2 Identify and apply workplace, work health and safety (WHS) and environmental requirements.   |
|  | 1.3 Determine quantity, location, fixtures and legal points of discharge.  |

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|----------------------------------|--|
| 2 Design and size system layout. | 2.1 Design and size system layout in accordance with relevant manufacturers' instructions, Australian Standards and jurisdictional requirements. |
|                                  | 2.2 Use the proposed design to identify and specify optimal material requirements.   |
|                                  | 2.3 Prepare testing and commissioning schedule.  |
|                                  | 2.4 Produce operation and maintenance manual.  |
|                                  | 2.5 Identify and analyse noise reduction methods and specify suitable methods.   |
|                                  | 2.6 Produce final system layout plans according to relevant drawing design standards.  |

## Foundation Skills

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

## Unit Mapping Information

Supersedes and is equivalent to CPCPMS4023A Design compressed air systems.

## 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>