



Australian Government

Assessment Requirements for CPCPMS4023 Design compressed air systems

Release: 1

Assessment Requirements for 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.

Performance Evidence

To demonstrate competency, a candidate must meet the performance criteria for this unit by:

- evaluating and documenting design parameters including client, Australian Standards, codes, manufacturers' instructions and jurisdictional requirements for at least two (2) compressed air systems.

The design must include evidence of the application of sustainability principles and concepts, manufacturer and regulatory requirements and identification of electrical hazards.

Design, sizing layouts and plans must include:

- industry standard layouts for compressed air systems
- pipe sizes according to regulations and manufacturers' requirements
- specifications for compressed air systems
- testing and commissioning schedules
- operation and maintenance manuals.

Knowledge Evidence

To be competent in this unit, a candidate must demonstrate knowledge of:

- architectural specifications
- builders' specifications
- owner requirements
- specialist use applications
- cost-benefit analysis which compares the range of suitable treatment and disposal options, materials, system choices, disinfection options, water savings and environmental benefits compared to initial and ongoing maintenance costs
- design and performance requirements for compressed air systems
- relevant manufacturers' requirements, Australian Standards and jurisdictional requirements
- job specifications

- system testing
- commissioning schedule requirements
- operation and maintenance manual information
- tools, materials and equipment used to design, size and document the layout of compressed air systems
- work health and safety (WHS) requirements for designing, sizing and documenting the layout of compressed air systems.

Assessment Conditions

Assessors must meet the requirements for assessors contained in the Standards for Registered Training Organisations.

This unit must be assessed in the workplace or a close simulation using realistic workplace conditions, materials, activities, responsibilities, procedures, safety requirements and environmental considerations.

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>