



Australian Government

CPCPMS4011 Design, size and lay out heating and cooling systems

Release: 1

CPCPMS4011 Design, size and lay out heating and cooling systems

Modification History

- Release 1 This version first released with CPC Construction, Plumbing and Services Training Package Release 5.0.
- Supersedes and is equivalent to CPCPMS4011B Design, size and lay out heating and cooling systems. Updated to meet the Standards for Training Packages 2012.

Application

This unit specifies the skills and knowledge required to design, size and document the layout of heating and cooling systems for multi-floor structures.

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 system requirements. | 1.1 Access, read and determine heating and cooling installation requirements from job specifications, relevant Australian Standards, codes, manufacturer's specifications and jurisdictional requirements. |
| | 1.2 Identify and apply workplace policies and procedures, 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 Review building drawings plans and specifications to determine heating and cooling requirements. |
| | 2.2 Perform sizing of air conditioning or small-bore heating system to provide for required heating and cooling load and to determine required piping and ducting. |
| | 2.3 Produce final system layout plans according to job specifications, relevant Australian Standards, codes, manufacturer's specifications and jurisdictional requirements. |

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 CPCPMS4011B Design, size and lay out heating and cooling 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>