



Australian Government

CPCPWT4011 Design and size heated and cold-water services and systems

Release: 1

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Modification History

- Release 1 This version first released with CPC Construction, Plumbing and Services Training Package Release 5.0.
- Supersedes and is equivalent to CPCPWT4011B Design and size heated and cold-water services and 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 heated, tempered and cold-water services, flushing systems, and hydrant and hose reel systems for residential and commercial multi-floor buildings.

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 and Fire Services

Elements and Performance Criteria

Elements describe the essential outcomes.	Performance criteria describe what needs to be done to demonstrate achievement of the element.
1 Identify system requirements.	1.1 Access, read and determine system requirements from job specifications, relevant Australian Standards, codes, manufacturers' instructions and jurisdictional requirements. 1.2 Identify and apply workplace, work health and safety (WHS) and environmental requirements. 1.3 Determine quantity, location and points of fixture connection.

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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 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 CPCPWT4011B Design and size heated and cold-water services and 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>