



Australian Government

CPCPMS3040 Install and commission evaporative air cooling 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 CPCPMS3040A Install and maintain evaporative air cooling systems. Updated to meet the Standards for Training Packages 2012.

Application

This unit specifies the skills and knowledge required to install and maintain evaporative air cooling systems.

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

CPCPCM2055 Work safely on roofs

CPCPCM3021 Flash penetrations through roofs and walls

CPCPWT3029 Install water pipe systems

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 Plan the work.

1.1 Identify evaporative air cooling system requirements from current approved plans, specifications, standards and codes.

- 1.2 Apply quality assurance requirements, work health and safety (WHS) and environmental requirements and sustainability principles for installing evaporative air cooling systems.
 - 1.3 Plan and sequence tasks with others involved in the work.
 - 1.4 Calculate material quantities.
- 2 Prepare the work.
 - 2.1 Identify work area preparation requirements.
 - 2.2 Select and check the serviceability of appropriate tools, equipment and personal protective equipment (PPE).
 - 2.3 Receive and check materials for conformity and report any faults or damage.
- 3 Install and commission unit.
 - 3.1 Set out for installation and locate existing services and adjust installation process accordingly to avoid any disturbance.
 - 3.2 Carry out preparatory work including installation of piping and isolating valve, roof penetration and flashing without unnecessary damage to surrounding structures or environment.
 - 3.3 Install structural supports, ducting and control panels.
 - 3.4 Test installation and adjust accordingly.
- 4 Clean up.
 - 4.1 Clear the work area, and dispose of, reuse or recycle materials in accordance with state and territory legislation and workplace policies and procedures.
 - 4.2 Clean tools and equipment, check for serviceability reporting any damage, 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 equivalent to CPCPMS3040A Install and maintain evaporative air 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>