



Australian Government

Assessment Requirements for 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.

Performance Evidence

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

- installing and commissioning an evaporative air cooling system on a roof including:
 - flashing the roof penetration
 - installing a plenum box and duct work to three diffusers with at least one diffuser positioned three metres from the plenum box, including appropriate duct work support
 - connecting cold water to an isolation valve within one metre of the appliance
 - install drain to approved point of discharge
 - connecting and completing installation testing and commissioning the systems operation.

Knowledge Evidence

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

- characteristics and application of approved materials and components
- terminology relating to evaporative air cooling systems
- effect of bacteria in water, and health implications
- processes, procedures and techniques of:
 - effective isolation
 - installing and testing evaporative air cooling systems
 - roof penetration and flashing
 - system of measurement and calculations
- types of evaporative air cooling system materials:
 - control panels
 - diffusers
 - ducting materials
 - evaporative air cooling systems

- grilles
- insulation
- considerations for work site preparation:
 - ensuring structural integrity of roof
 - installing piping and isolating valve
 - installing piping and isolating valve in roof cavity
 - installing plinths
 - installing structural supports
- other services connections to units:
 - electrical connections
 - water supply.

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>