



Australian Government

CPCPMS3039 Maintain mechanical services equipment

Release: 2

CPCPMS3039 Maintain mechanical services equipment

Modification History

- Release 2 This version first released with CPC Construction, Plumbing and Services Training Package Release 5.1.
Typographical error corrected in Application and Element 2.1.
- Release 1 This version first released with CPC Construction, Plumbing and Services Training Package Release 5.0.
Supersedes and is equivalent to CPCPMS3039A Maintain mechanical services equipment. Updated to meet the Standards for Training Packages 2012.

Application

This unit specifies the skills and knowledge required to perform general maintenance of heating, ventilating and air conditioning (HVAC) systems and associated mechanical equipment (air distribution systems, hydronic systems and control systems).

Site location for work application may be either domestic or commercial and may be a new work site or an existing structure being renovated, extended, restored or maintained.

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

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 Prepare for work. | 1.1 Access and read job plans and specifications. |
| | 1.2 Identify and apply workplace policies and procedures, work health and safety (WHS) and environmental requirements. |

- 1.3 Apply quality assurance requirements in accordance with workplace requirements.
 - 1.4 Plan and sequence tasks in conjunction with others involved in or affected by the work and statutory and regulatory authorities' requirements.
 - 1.5 Prepare work area to support efficient maintenance of mechanical services equipment.
 - 1.6 Select appropriate tools and equipment including personal protective equipment (PPE) and check for serviceability.
 - 1.7 Identify materials and equipment required to complete the task.
- 2 Identify system requirements.
 - 2.1 Create a materials list and collect materials.
 - 2.2 Identify fabrication requirements from job plans, specifications and relevant information.
 - 2.3 Calculate quantity and type of materials and components.
- 3 Repair and replace faulty components and test job.
 - 3.1 Isolate equipment safely according to regulations and WHS requirements.
 - 3.2 Remove faulty items or components using appropriate tools, equipment and procedures.
 - 3.3 Select replaceable items from manufacturers' catalogue or serviceable items according to manufacturer or site specifications.
 - 3.4 Perform system adjustments to equipment or components to comply with specifications.
 - 3.5 Carry out operational checks on system to ensure its compliance with job specification.
 - 3.6 Document maintenance report in format required by the maintenance specification.
- 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.
- 4.3 Complete documentation according to workplace 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 CPCPMS3039A Maintain mechanical services equipment.

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>