



Australian Government

Assessment Requirements for CPCPMS3039 Maintain mechanical services equipment

Release: 2

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Modification History

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| 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. |

Performance Evidence

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

- maintaining one air distribution systems, including:
 - replacing, realigning and tensioning pulleys and belts as required
 - checking the integrity of mounting and check for excessive vibration and noise
 - checking flexible connections
 - lubricating bearings
 - cleaning filters, coils and blades
 - checking system for leaks
- maintaining one hydronic system, including:
 - replacing gland valves and O rings where required on system
 - replacing and adjusting pump glands
 - checking functionality of and cleaning drain
 - adjusting operating control valves and settings
 - replacing chemical dosing systems when required and checking water system for leaks.

Knowledge Evidence

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

- air conditioning and refrigeration principles
- effect of bacteria in water, and potential impact on health
- operating principles of system components used in mechanical services equipment

- mechanical and hydraulic principles
- processes of maintaining mechanical and hydraulic services equipment
- how to access relevant information, including codes and standards
- tools, materials and equipment used to maintain mechanical services equipment
- work health and safety (WHS) requirements to maintain mechanical services equipment.

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>