



Australian Government

Assessment Requirements for CPCPPS5015 Inspect plumbing and drainage 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 CPCPPS5015B Inspect plumbing and drainage systems. Updated to meet the Standards for Training Packages 2012.

Performance Evidence

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

- conducting a compliance inspection on four different hydraulic systems and prepare a report on each instance to ensure compliance.

Knowledge Evidence

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

- common terminology and definitions used in the design of plumbing and drainage systems
- use of approved materials identified from Australian and New Zealand Standards and effects of performance under various conditions:
 - fixtures
 - fittings
 - pipes
- principles of technology used in the design of hydraulic systems:
 - fire services
 - gas services
 - mechanical services
 - sanitary plumbing and drainage
 - stormwater drainage
 - trade waste
 - water supply
- administrative procedures required for the inspection of hydraulic systems:
 - file management
 - inspection allocation
 - inspection records

- logging inspections
- inspection checklists requirements:
 - approved installation methods
 - authorised materials
 - project section
 - compliance with:
 - Australian and New Zealand Standards
 - distances
 - limitations
 - National Construction Code (NCC)
 - other regulatory requirements
- Inspection reports requirements:
 - defect
 - inspection
 - performance
 - quality assurance
- as-constructed plans including layout of:
 - fire services pipework
 - gas pipework
 - mechanical services pipework
 - sanitary plumbing and drainage pipework
 - stormwater pipework
 - trade waste drainage systems
 - water supply pipework
- effective dispute resolution techniques when non-compliance is identified:
 - active listening techniques
 - non-threatening body language
 - power neutral relationships
 - other recognised dispute avoidance and resolution techniques
- testing procedures:
 - air pressure tests
 - compliance checklist
 - gas leak detection
 - hydrostatic tests
 - mirror tests
 - quality assurance (QA) audit
 - sound testing
- enforcement action implemented in the case of non-compliances:
 - fines
 - legal action

- notification to plumbing licensing body
- penalties
- sustainability principles and concepts:
 - selecting appropriate components and materials
 - choosing efficient products
 - using material efficiently
 - storing and disposing of hazardous material to ensure minimal environmental impact.

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>