



**Australian Government**

# **CPCPPS5014 Locate and maintain piping systems**

**Release: 2**

# CPCPPS5014 Locate and maintain piping systems

## Modification History

- Release 2 This version first released with CPC Construction, Plumbing and Services Training Package Release 5.1.  
Performance Evidence formatted for clarity.
- Release 1 This version first released with CPC Construction, Plumbing and Services Training Package Release 5.0.  
Supersedes and is equivalent to CPCPPS5014A Locate and maintain piping systems. Updated to meet the Standards for Training Packages 2012.

## Application

This unit specifies the skills and knowledge required to locate and maintain piping systems.

The unit includes a range of applications including pipe freezing equipment and procedures, sewer and drain camera equipment and procedures, under-road boring equipment and procedures, robotic sewer repair, chemical grout systems and procedures and high-pressure drain cleaning equipment and procedures.

The unit applies to consultants or supervisors in plumbing services and hydraulics on new or existing sites.

No licensing, legislative or certification requirements apply to this unit at the time of publication.

## Pre-requisite Unit

Nil.

## Unit Sector

Plumbing and Fire Services

## Elements and Performance Criteria

Elements describe the essential outcomes.

Performance criteria describe what needs to be done to demonstrate achievement of the element.

- |                               |                                                                                          |
|-------------------------------|------------------------------------------------------------------------------------------|
| 1 Evaluate design parameters. | 1.1 Establish scope of work for locating and maintaining hydraulic and plumbing systems. |
|                               | 1.2 Determine relevant design requirements from relevant                                 |

- Australian standards, codes, plans, specifications and in accordance with work health and safety (WHS) and environmental requirements.
- 1.3 Identify and plan tasks in conjunction with others involved in or affected by the work and statutory and regulatory authorities' requirements.
  - 1.4 Evaluate impact of works on buildings and structural elements and underground services.
  - 1.5 Analyse and apply the National Construction Code (NCC), statutory and regulatory requirements and Australian standards for the scope of works.
  - 1.6 Apply sustainability principles and concepts throughout the design process.
  - 1.7 Establish performance requirements considering safety of system users or building occupants.
  - 1.8 Interpret manufacturer requirements, trade and technical manuals to comply with design parameters.
  - 1.9 Conduct cost-benefit analysis comparing a range of pipe materials and system designs.
- 2 Plan and assess systems.
- 2.1 Identify and analyse applications of maintaining hydraulic and plumbing systems.
  - 2.2 Specify approved materials, methods and installation requirements for maintaining hydraulic services.
- 3 Prepare documentation.
- 3.1 Prepare a client brief for the preferred system of maintaining hydraulic and plumbing systems.
  - 3.2 Prepare plans and specifications for a range of scenarios relating to maintaining hydraulic and plumbing systems.
  - 3.3 Prepare testing and commissioning schedule.
  - 3.4 Produce operation and maintenance manual.

## 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 CPCPPS5014A Locate and maintain piping 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>