



**Australian Government**

**Assessment Requirements for  
CPCPWT3022 Install and commission  
water heating systems and adjust controls  
and devices**

**Release: 2**

# Assessment Requirements for CPCPWT3022 Install and commission water heating systems and adjust controls and devices

## Modification History

Release 2 This version first released with CPC Construction, Plumbing and Services Training Package Release 5.1.

Minor change in Performance Evidence for clarity.

Release 1 This version first released with CPC Construction, Plumbing and Services Training Package Release 5.0.

Supersedes and is not equivalent to CPCPWT3022A Install and adjust water service controls and devices, and CPCPWT3023A Install and commission water heating 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 three different water heaters, including one manifold system from the following:
  - a vented storage water heater
  - an unvented storage water heater
  - a continuous flow water heater
  - a solar water heater
  - a heat pump
  - a water service consisting of a tempering valve
- adjusting water service controls and devices from the above installations to manufacturers' instructions, Australian Standards and jurisdictional requirements.

## Knowledge Evidence

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

- approved materials and components of water heating systems and control devices
- processes, procedures and techniques for:
  - installing water heaters
  - using testing equipment
- properties of water, including pressure and flow rates
- water service controls and mixing devices

- how to access relevant information, including drawings conventions, symbols and abbreviations, codes and standards
- tools, materials and equipment used to install and commission water heating systems and adjust controls and devices
- work health and safety (WHS) requirements for installing and commissioning water heating systems and adjust controls and devices.

## **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>