



**Australian Government**

**Assessment Requirements for CPPSPS4012  
Design, install and service automated  
systems for swimming pools and spas**

**Release: 1**

# Assessment Requirements for CPPSPS4012 Design, install and service automated systems for swimming pools and spas

## Modification History

Release 1 This version first released with CPP Property Services Training Package Release 9.0.

Supersedes and is equivalent to CPPSPS4012A Design, install and service automated systems for swimming pools and spas. Added in content from CPPSPS4011A Comply with regulatory requirements for swimming pool and spa servicing. Element 3 changed from Service to Maintain. Updated to meet the Standards for Training Packages.

## Performance Evidence

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

- designing, installing and testing a swimming pool and spa automated system and components in a minimum of two swimming pools and one spa
- Applying technical knowledge and advanced diagnostic skills to identify and repair two faults with automated systems, in line with regulatory requirements.

## Knowledge Evidence

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

- key requirements of relevant commonwealth, state or territory, and local government regulations and Australian standards related to swimming pool and spa servicing:
  - work health and safety
  - public health
  - dangerous goods
  - environment and waste disposal
  - Australian Competition and Consumer Commission product safety guidelines
  - electrical and plumbing regulations related to own work
- enterprise policies and procedures related to:
  - compliance with regulations
  - maintenance of knowledge of regulations
  - roles, responsibilities and limitations of own role
- work instructions:
  - site requirements, including access
  - personal protective clothing and equipment requirements

- equipment and systems location information
- system information
- warranties and guarantees
- hazards and risks associated with automated systems for swimming pools and spas:
  - explosions and implosions
  - skimmer and suction entrapment
  - electrocution, fire, poisoning
- automated systems:
  - purpose and operating principles
  - maintenance procedures, scheduling and run times
  - types:
    - dosing
    - heating
    - lighting
    - pool and spa controllers
    - pool cleaning
    - valving
    - water treatment
  - common faults
- components:
  - electronics:
    - circuits
    - diagrams
    - safety
- testing and test equipment
  - peristaltic pumps
  - programmable controllers
  - sensors
  - connectivity
  - functions of actuator valves.

## Assessment Conditions

Assessors must meet the requirements for assessors contained in the Standards for Registered Training Organisations.

Assessment must be undertaken in the workplace or in a simulated workplace environment.

Candidates must be provided with:

- relevant manufacturer instructions, regulations, codes, standards and enterprise policies and procedures
- relevant tools and equipment, personal protection equipment (PPE)

- technical references with current information on automated swimming pool and spa systems:
  - operating principles
  - components
  - faults and troubleshooting.

## **Links**

Companion volumes to this training package are available at the VETNet website - <https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=6f3f9672-30e8-4835-b348-205dfcf13d9b>