



Australian Government

Assessment Requirements for CPPSPS3002

Perform basic swimming pool and spa measurements and calculations

Release: 1

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Modification History

Release 1.

Supersedes and is equivalent to CPPSPS3002A.

Unit of competency upgraded to reflect Standards for Training Packages 2012.

This version first released with CPP Property Services Training Package Version 6.0.

Performance Evidence

To demonstrate competency in this unit, a person must perform basic swimming pool and spa measurements and calculations, including:

- at each of two different locations, measure and calculate:
 - the dimensions, area, perimeter and volume of each of one regular and one irregular shaped swimming pool or spa with sloped floors
 - water loss in one swimming pool or one spa
 - the quantity of pool chemicals required to improve water quality in one swimming pool or spa
 - flow and turnover rates and time taken to fill and empty one swimming pool or spa.

In doing this, the person must meet the performance criteria for this unit.

Knowledge Evidence

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

- requirements and application of jurisdictional work health and safety (WHS) and environmental legislation and regulations relating to performing basic swimming pool and spa measurements and calculations, including safety data sheets (SDSs)
- workplace requirements for undertaking all aspects of performing basic swimming pool and spa measurements and calculations,
- selection and use of personal protective equipment (PPE) when performing basic swimming pool and spa measurements and calculations
- hazards, risks and enterprise safety procedures associated with measurements undertaken on site
- uses and limitations of measuring equipment, including:
 - bucket
 - calculator
 - ruler, including laser ruler
 - measuring flask
 - scales
 - stopwatch

- tape measure
- trundle wheel
- taking basic measurements in the swimming pool and spa industry, including units of measurement, types and functions of measuring equipment
- basic measurement requirements, including for:
 - flow rates
 - swimming pool or spa chemical quantities
 - swimming pool or spa dimensions
 - temperatures
- methods for conversion of units of measurement, including:
 - distance units of measurement:
 - metric conversions
 - metric to imperial units of measurement and vice versa
 - surface area units of measurement:
 - metric conversions
 - metric to imperial units of measurement and vice versa
 - volume units of measurement:
 - metric conversions
 - metric to imperial units of measurement and vice versa
 - weight units of measurement:
 - metric conversions
 - metric to imperial units of measurement and vice versa
- processes for taking basic measurements, including for calculating areas, perimeters and volumes of regular and irregular shapes relevant to measuring swimming pools and spas, such as rectangles, squares, cubes, circles, semi-circles, triangles, trapeziums and cylinders
- conversion of measurement units used in the swimming pool and spa industry, including: metric system conversions, metric to imperial conversion and vice versa
- graphical representations of mathematical information used in basic swimming pool and spa measurements and calculations, including diagrams, graphs, pictures and symbols
- water loss in swimming pools and spas, including:
 - evaporation
 - plumbing and shell leaks
 - user splash-outs and drag-outs
 - planned dilution, including:
 - total dissolved solids (TDSs) levels
 - user loads.

Assessment Conditions

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

Assessment of performance must be undertaken in the workplace or in a simulated workplace environment. Tasks are to be performed to the level of proficiency and within the time limits expected in a workplace.

Assessors are responsible for ensuring that the person demonstrating competency has access to:

- work site/s and specifications to perform basic swimming pool and spa measurements and calculations
- appropriate documents, safety data sheets (SDSs), measuring and calculating equipment and PPE currently used in industry
- requirements of appropriate sections of legislation and regulations
- relevant workplace policies and procedures.

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=6f3f9672-30e8-4835-b348-205dfcf13d9b>