



**Australian Government**

**Assessment Requirements for SISCAQU017  
Monitor and maintain aquatic facility plant  
and equipment**

**Release: 1**

# Assessment Requirements for SISCAQU017 Monitor and maintain aquatic facility plant and equipment

## Modification History

Not applicable.

## Performance Evidence

Evidence of the ability to complete tasks outlined in elements and performance criteria of this unit in the context of the job role, and:

- correctly interpret plant inspection schedules, and follow manufacturer instructions to complete the following:
  - two periodic routine inspections of each of the following types of pool plant:
    - water circulation system
    - filtration system
    - disinfection dosing system
    - pH control system
  - one periodic routine inspection of another type of aquatic facility plant
- correctly interpret maintenance schedules, and follow manufacturer instructions to complete the following activities:
  - two routine maintenance tasks for aquatic facility equipment
  - two minor non-specialist repairs on aquatic facility equipment
- for each above inspection, maintenance and repair task, complete accurate records.

## Knowledge Evidence

Demonstrated knowledge required to complete the tasks outlined in elements and performance criteria of this unit:

- organisational procedures for inspecting and maintaining plant and equipment, and for record keeping and reporting
- organisational:
  - role responsibilities, boundaries and reporting lines for inspection, repair and maintenance activities
  - work health and safety (WHS) practices for inspecting and maintaining plant and equipment
- public health and safety implications of inadequately maintained equipment in aquatic facilities
- key functions and operational features of pool plant, and typical periodic inspection schedules:
  - water circulation and distribution system
  - filtration system, including backwash processes and indicators for remedial backwash

- disinfection system:
  - automated dosing system
  - continuous metered dosing system
- pH control system
- heating system
- key functions and operational features of other aquatic facility plant, and typical periodic inspection schedules:
  - lighting system
  - ventilation system
- inspection, cleaning and maintenance requirements for pool concourse and other wet floor areas:
  - common surface types
  - slip coefficients that must be maintained
  - types of slip tests, who completes these tests and any periodic testing requirements
- types of inspections, maintenance and repairs referred to specialist technicians, for both pool plant and other aquatic facility plant
- for aquatic facility equipment:
  - tools, consumables and methods used to clean and maintain equipment in safe and optimum condition
  - common types of consumables, and methods used to replace these
  - common types of minor, non-specialist repairs
  - tools and methods used to complete common repairs
  - types of repairs referred to specialist technicians
- formats and inclusions of:
  - organisational inspection and maintenance schedules for plant and equipment
  - manufacturer instructions for inspection, repair and maintenance of plant and equipment
  - records and reports for inspection, condition, repair, and maintenance, and how to complete these.

## Assessment Conditions

Skills must be demonstrated in an aquatic facility with an operating indoor or outdoor pool used by members of the public. Facilities can include those operated by commercial, not-for-profit, community and government organisations.

Assessment must ensure use of:

- pool plant and other aquatic facility plant
- aquatic facility equipment
- repair and maintenance tools, equipment and consumable resources
- organisational inspection and maintenance schedules for plant and equipment
- manufacturer instructions for inspection, repair and maintenance of plant and equipment

- template records and reports for inspection, repair and maintenance
- organisational procedures for inspecting and maintaining plant and equipment, and for record keeping and reporting.

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

## **Links**

Companion Volume implementation guides are found in VETNet - <https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=1ca50016-24d2-4161-a044-d3faa200268b>