



**Australian Government**

# **ACMGEN307 Maintain aquariums and/or aquascapes and aquatic animals**

**Release: 1**

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## Modification History

Release	Comments
Release 1	This version released with ACM Animal Care and Management Training Package Version 4.0.

## Application

This unit of competency describes the skills and knowledge required to monitor water quality in aquariums and/or aquascapes, and monitor the health and behaviour of aquatic animals. Aquatic animals may include fish, aquatic invertebrates (including crustaceans and corals), amphibians and turtles.

This unit applies to individuals working in the animal industry sector who maintain aquariums and/or aquascapes and aquatic animals. They work independently and take responsibility for the quality of their own work, including carrying out assigned tasks, organising processes, selecting products and techniques, solving routine problems and working to required timeframes.

All work must be carried out to comply with workplace procedures according to Commonwealth and state/territory health and safety and animal welfare regulations, legislation and standards that apply to the workplace.

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

## Pre-requisite Unit

Nil

## Unit Sector

General Animal Care (GEN)

## Elements and Performance Criteria

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1. Follow effective personal health management practices	<p>1.1 Maintain personal hygiene and cleanliness according to workplace health and safety policies and procedures</p> <p>1.2 Identify disease agents and their impact on aquatic animals</p> <p>1.3 Implement work practices to protect self and minimise risk of zoonotic diseases</p>
2. Monitor the health and wellbeing of aquatic animals	<p>2.1 Identify signs of unhealthy aquatic animals, and record information according to workplace procedures</p> <p>2.2 Identify injured aquatic animals, and report to supervisor</p> <p>2.3 Identify signs of abnormal behaviour and condition in aquatic animals, and report to supervisor</p> <p>2.4 Maintain records for aquatic animals according to workplace procedures</p>
3. Maintain water quality	<p>3.1 Collect water samples using appropriate equipment and techniques according to workplace procedures</p> <p>3.2 Test samples and record results using appropriate equipment according to workplace requirements</p> <p>3.3 Adjust water quality to suit requirements of aquarium or aquascape and aquatic species if required</p> <p>3.4 Maintain records of water quality for aquarium or aquascape and species according to workplace requirements</p>
4. Administer aquatic animal treatments	<p>4.1 Identify broad categories of parasitic infestations and viral, fungal and bacterial diseases relevant to aquatic animal species</p> <p>4.2 Administer appropriate and authorised aquatic animal treatments</p> <p>4.3 Implement preventative medicine programs for internal and external parasites</p> <p>4.4 Store and handle treatments and medicines according to workplace procedures</p> <p>4.5 Maintain records for treatments and medicine programs according to workplace procedures and legislative requirements</p>

## Foundation Skills

*This section describes those language, literacy, numeracy and employment skills that are essential for performance in this unit of competency but are not explicit in the performance criteria.*

Skill	Description
Reading	<ul style="list-style-type: none"> <li>Interpret biological information from valid documents about aquatic animal disease and behaviour</li> <li>Interpret accurately product information and instructions on animal products and animal care equipment</li> </ul>
Numeracy	<ul style="list-style-type: none"> <li>Calculate volume, weight, area, percentage, ratio, time and application rates</li> <li>Use tables, graphs or other techniques to document trends and changes in sampling data over time</li> </ul>

## Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
ACMGEN307 Maintain aquariums and/or aquascapes and aquatic animals	ACMCAS305 Maintain aquascapes and aquatic animals	Title changed Changes to elements and performance criteria for clarity Assessment requirements updated	Equivalent

## Links

Companion Volumes, including Implementation Guides, are available at VETNet: - <https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=b75f4b23-54c9-4cc9-a5db-d3502d154103>