



Australian Government

**Assessment Requirements for
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.

Performance Evidence

An individual demonstrating competency must satisfy all of the elements and performance criteria in this unit.

There must be evidence that the individual has:

- maintained at least three different aquariums or aquascapes and ensured optimal health of those animals – each tank or pond must house a different species of aquatic animals than the other tanks or ponds
- collected and tested at least two water samples and adjusted water quality to suit the aquariums or aquascape and species requirements
- administered appropriate and authorised aquatic animal treatments on at least one occasion
- maintained records and required documentation for treatments and medicine programs for each aquarium or aquascape.

Knowledge Evidence

An individual must be able to demonstrate the knowledge required to perform the tasks outlined in the elements and performance criteria of this unit. This includes knowledge of:

- types of aquatic animals, including:
 - fish
 - aquatic invertebrates (including crustaceans and corals)
 - amphibians
 - turtles
- principles and practices of aquariums and/or aquascapes and aquatic animal maintenance
- basic aquatic animal biology
- aquatic animal health, including:
 - signs of normal and abnormal behaviour of relevant aquatic species reflecting health conditions

- signs of common aquatic animal diseases and parasitic infestations and their transmission between aquatic animals
- broad categories of parasitic infestations and viral, fungal and bacterial diseases
- preventative medicine programs for internal and external parasites
- appropriate and authorised aquatic animal treatments
- types of and transmission of zoonotic diseases
- water quality, including:
 - basic water chemistry
 - ideal water conditions and quality for a range of aquatic animals, including pH, nitrate, nitrite, ammonia, salinity, calcium and/or hardness
 - water sampling, testing and analysis procedures and techniques
 - water quality adjustment procedures
 - chemicals used to correct water conditions and the water quality of aquariums or aquascapes
- key features of Commonwealth and relevant state/territory legislation, licensing and codes of practice related to aquatic animal species, biosecurity, health and safety, and animal welfare.

Assessment Conditions

Assessment of the skills in this unit of competency must take place under the following conditions:

- physical conditions:
 - an aquatic animal workplace or an environment that accurately represents workplace conditions
- resources, equipment and materials:
 - live aquatic animals specified in the performance evidence
 - materials and equipment to create and maintain aquascapes specified in the performance evidence
 - aquarium or aquascape water quality testing and treatment equipment and materials
 - aquatic animal treatment resources.

Assessors of this unit must satisfy the requirements for assessors in applicable vocational education and training legislation, frameworks and/or standards.

Links

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