



Australian Government

ACMCAN502 Develop and monitor collection management

Release: 1

ACMCAN502 Develop and monitor collection management

Modification History

Release	Comments
Release 1	This version released with ACM Animal Care and Management Training Package Version 1.0.

Application

This unit of competency describes the skills and knowledge required to develop and monitor the implementation of a collection plan, by ensuring extensive liaison with internal and external personnel and assisting in the development of institutional policies, manuals and records in the area of species management.

It applies to senior or more experienced keepers, such as a keeper in charge, who operates as a specialist in collection management while demonstrating competence in other specialist areas including animal husbandry, interpretive and learning programs, nutrition, conservation and research.

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

Pre-requisite Unit

Nil

Unit Sector

Captive Animals (CAN)

Elements and Performance Criteria

Element	Performance criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
1. Assist with the development of the collection plan	1.1 Prepare collection plan according to workplace policies and procedures 1.2 Liaise with internal and external personnel about collection planning 1.3 Consider recommendations of Taxon Advisory Groups when

Element	Performance criteria
	acquiring and disposing of animals 1.4 Evaluate merits of each species in the collection plan 1.5 Use databases and other resources
2. Contribute to collection planning policy and practice	2.1 Assist with development of collection planning policy 2.2 Provide information or assistance to regional and international studbooks and management plans 2.3 Analyse and review the collection plan and present recommendations to management 2.4 Prepare reports and present to management according to workplace policies and procedures 2.5 Coordinate and maintain section animal records according to workplace policies and procedures

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	Interpret and review studbooks and husbandry manuals
Numeracy	- Interpret studbook data and run basic analysis - Determine appropriate genetic pairings
Get the work done	- Operate appropriate species management databases - Record data using approved animal keeping information systems and/or software

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
ACMCAN502 Develop and monitor	ACMCAN502A Develop and monitor collection	Updated to meet Standards for Training	Equivalent unit

Code and title current version	Code and title previous version	Comments	Equivalence status
collection management	management	Packages	

Links

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

Assessment Requirements for ACMCAN502 Develop and monitor collection management

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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 developed and monitored a minimum of one collection management plan, including:

- initiated and carried out analyses of species management and collection planning
- interpreted and completed analyses of studbooks
- wrote and interpreted a strategic plan for a regional population of a species
- liaised extensively with internal and external personnel on behalf of the institution in respect to collection planning
- managed animal records and provided reports to management as required.

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:

- principles and practices for developing and monitoring collection management
- animal husbandry manual requirements
- animal identification to the sub-species level
- animal management software, such as Animal Records Keeping System (ARKS), International Species Information System (ISIS), Regional Animal Species Collection Plan (REGASP) and Single Population Analysis and Records Keeping System (SPARKS)
- Australasian Species Management Program (ASMP) and ASMP Regional Census and Plan
- ASMP guidelines and criteria for studbook keeping
- biology and husbandry of animals in a captive animal environment
- breeding control methods
- collection planning requirements
- concepts of inbreeding and outbreeding

- international agreements and conventions, including the World Zoo Conservation Strategy and the International Union for Conservation of Nature and Natural Resources conservation status categories
- database programs for recordkeeping and data analysis
- genetic principles for the management of captive animal populations
- importance of breeding coefficients
- institutional collection planning policies and procedures, institutional master plan and other relevant policies and procedures
- principles and constraints of wildlife conservation
- principles of animal welfare and ethics
- principles of taxonomy and relevance to population management
- relevant international, federal and state or territory legislation and codes of practice
- report formats for captive animal management plans
- role of the Zoo and Aquarium Association
- small population biology
- species stocking policies.

Assessment Conditions

Assessment of skills must take place under the following conditions:

- physical conditions:
 - a workplace or an environment that accurately reflects a real workplace setting
- resources, equipment and materials:
 - equipment and resources appropriate to work undertaken in an animal care environment
 - studbooks and husbandry manuals
- specifications:
 - access to organisational policies and procedures
- relationships (internal and/or external):
 - interactions with team members
 - interactions with management.

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

Links

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