

Modification history

Release	Comments
Release 2	This version released with ACM Animal Care and Management Training Package Version 4.0.
Release 1	This version released with ACM Animal Care and Management Training Package Version 1.0.

ACMCAN502	Develop and monitor Contribute to population management planning and policy
Application	<p>This unit of competency describes the skills and knowledge required to develop and monitor the implementation of an animal population management plan, by ensuring extensive liaison with internal and external personnel and assisting in the development of facility policies, manuals and records in species management.</p> <p>The unit applies to supervisors or senior team members who operate as a specialist in population management and/or have expertise in a designated area or animal group. They contribute to activities that involve problem solving and a research or analytical focus with tasks varying in scale from individual animal welfare to social group management across a program areas and/or animal groups in the facility's collection.</p> <p>All work must be carried out to comply with workplace procedures according to state/territory health and safety and animal welfare regulations, legislation and standards that apply to the workplace.</p> <p>No licensing, legislative or certification requirements are known to apply to this unit at the time of publication.</p>
Prerequisite Unit	Nil
Unit Sector	Captive Animals (CAN)

Commented [SH1]: Revise title to reflect elements and wording in ACMCAN502 Contribute to enclosure/exhibit design or renovation projects

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
1. Research information for population management plan	1.1 Analyse population management plan against facility policies and objectives 1.2 Review alignment of facility population management plan with relevant internal team and regional and/or global priorities 1.3 Liaise with internal and external personnel about population planning 1.4 Consider recommendations of Taxon Advisory Groups in managing populations including acquiring and disposing of animals 1.4 Evaluate characteristics and merits of each species in the population plan 1.5 Use databases, studbooks and other resources in analysing the population plan
2. Provide input to population management planning and policy	2.1 Present recommendations based on the analysis and review of the population plan to curator/management 2.2 Assist curator/management with development of animal population planning policy 2.3 Provide information or assistance to regional and international studbooks and management plans 2.4 Prepare reports and present to curator/management according to facility policies and procedures 2.5 Coordinate and maintain animal records for section or designated area according to facility policies and procedures

ACMCAN502 Develop and monitor collection management

Foundation Skills	
<i>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.</i>	
Skill	Description
Reading	<ul style="list-style-type: none"> Interpret and review studbooks, husbandry manuals, facility collection management plan and regional plans
Numeracy	<ul style="list-style-type: none"> Interpret and analyse studbook and population data

Unit Mapping Information			
Code and title current version	Code and title previous version	Comments	Equivalence status
ACMCAN5XX Contribute to population management planning and policy	ACMCAN502 Develop and monitor collection management	Minor edits for clarity and consistency Updated Assessment Requirements	Equivalent unit

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

TITLE	Assessment requirements for ACMCAN502 Contribute to population management planning and policy
Performance Evidence	
<p>An individual demonstrating competency must satisfy all of the elements and performance criteria in this unit.</p> <p>There must be evidence that the individual has:</p> <ul style="list-style-type: none"> researched information for an annual population management plan for one animal group or designated area, including: <ul style="list-style-type: none"> liaised with internal and external personnel on behalf of the facility in respect to population planning analysed data and managed animal records provided recommendations for population planning and a report to management. 	
Knowledge Evidence	
<p>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:</p> <ul style="list-style-type: none"> principles and objectives of population management, including: <ul style="list-style-type: none"> breeding/population control transfer of animals, species stocking wildlife conservation population planning requirements taxonomy and relevance to population management facility population planning policies and procedures, master plan and other relevant policies key requirements and guidelines of Australasian Species Management Program (ASMP): <ul style="list-style-type: none"> Regional Census and Plans criteria for studbook keeping role of the Zoo and Aquarium Association in population management international agreements, conventions and conservation status categories, including: <ul style="list-style-type: none"> World Zoo Conservation Strategy International Union for Conservation of Nature and Natural Resources animal welfare principles and ethics related to population management, including: <ul style="list-style-type: none"> Australian Animal Welfare Standards and Guidelines for Exhibited Animals state/territory regulations (including native wildlife protection) animal identification to the sub-species level biology and husbandry of animals in a captive animal environment breeding and genetic concepts, including: <ul style="list-style-type: none"> concepts of inbreeding and outbreeding genetic principles for the management of captive animal populations importance of breeding coefficients small population biology species stocking policies facility approved breeding and population control methods, including: <ul style="list-style-type: none"> fertility control - permanent or temporary; removal of nesting opportunities, removal or manipulation of eggs separation of males/females during breeding; keeping single sexes approved transfer of animals; euthanasia information management requirements, including: <ul style="list-style-type: none"> features of studbooks and animal husbandry manuals types of animal information 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) database programs for recordkeeping and data analysis formats for captive animal population management plans, reports and policy documents. 	

Commented [SH2]: Are specific types of software needed - if included they must all be assessed

Assessment Conditions

Assessment of skills must take place under the following conditions:

- physical conditions:
 - a captive animal 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 facility policies and procedures and relevant ASMP Regional Census and Plan
- relationships (internal and/or external):
 - interactions with internal/external personnel.

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

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