Modification history

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

| ACMCAN502 | Develop and monitor collection management |
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| 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. |
| Prerequisite Units | Nil |
| Unit Sector | Captive Animals (CAN) |

| Element | Performance criteria |
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| Elements describe the essential outcomes. | Performance criteria describe the performance needed to demonstrate achievement of the element. |
| 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 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. | |
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| 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 | | | |
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| Code and title current version | Code and title previous version | Comments | Equivalence status |
| ACMCAN502 Develop and monitor collection management | ACMCAN502A Develop and monitor collection management | Updated to meet Standards for Training Packages | Equivalent unit |

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| 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 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. | |

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| 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 |
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| Assessment of skills must take place under the following conditions:   * physical conditions:   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. |

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