



Australian Government

ACMCAN306 Monitor animal reproduction

Release: 1

ACMCAN306 Monitor animal reproduction

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 facilitate and monitor reproduction needs in accordance with the institution's breeding plan. Animals in the reproduction program may be either naturally or artificially reared.

This unit applies to wildlife animal keepers or carers working in a captive animal facility, under the direction of a more experienced staff member.

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

NOTE: The terms 'occupational health and safety' (OHS) and 'work health and safety' (WHS) generally have the same meaning in the workplace. In jurisdictions where the national model WHS legislation has not been implemented, RTOs must contextualise the unit of competency by referring to current OHS legislative requirements.

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. Facilitate reproduction	1.1 Recognise and report sexual behaviour communication and signs in the male and female reproductive cycle 1.2 Identify and monitor WHS risks and animal welfare requirements

Element	Performance criteria
	associated with potential aggressive behaviour 1.3 Provide conditions and environmental cues conducive to breeding and to meet species-specific requirements 1.4 Facilitate reproduction according to the institution's breeding plan
2. Monitor breeding animals during the period of reproduction	2.1 Provide a suitable species-specific environment for breeding animals 2.2 Provide and monitor requirements 2.3 Record relevant data so that successes can be replicated 2.4 Communicate changes to husbandry regimes
3. Prepare and assist with birth or hatching	3.1 Provide suitable media to assist with birth or hatching 3.2 Monitor birth or hatching of young animals 3.3 Assess and manage post-birth or post-hatching behaviour 3.4 Assess breeding outcomes and recommend updates for inclusion in the institution's breeding plan

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
Get the work done	Anticipate problems in conditions for animal reproduction and birthing or hatching, and formulate solutions

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
ACMCAN306 Monitor animal reproduction	ACMCAN306A Monitor animal reproduction	Updated to meet Standards for Training Packages	Equivalent unit

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 ACMCAN306 Monitor animal reproduction

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Performance Evidence

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

There must be evidence that the individual has monitored the reproduction of three different animals, including:

- providing environments conducive to reproduction according to institution's breeding plan
- recognising courtship, copulation, combat and signs of behavioural and physical changes associated with reproduction
- assessing and managing birth or hatching process
- recording and maintaining records.

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 of animal reproduction monitoring
- anatomical structures and physiological features for the animal groups associated with reproduction
- animal husbandry requirements related to breeding animals
- behavioural changes in animals when pregnant, with young, or when displaying territorial behaviour
- emergency procedures
- environmental processes that may influence breeding, birth and hatching
- breeding plans
- factors that may interfere with breeding
- housing requirements for mother and young, where relevant
- the institution's collection and breeding plans
- natural breeding behaviours and biology
- normal and abnormal animal behaviour

- animal sexual behaviour, including:
- aggression between males
- courtship rituals
- copulation
- nesting
- preening
- communications and signs in the male and female reproductive cycle, including:
 - olfactory signals
 - specific breeding calls
 - changes in dietary habits
 - fattening up
 - metamorphosis in amphibians
 - oestrus
 - parturition
- puberty
- seasonality and non-seasonality of reproduction
- relevant facility policies and procedures, including WHS, animal welfare, ethics, hygiene standards and other industry guidelines.

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:
 - a range of animals
 - equipment and resources typically available in a captive animal facility
- specifications:
 - access to organisational policies and procedures
 - current WHS legislation and regulations and and relevant state/territory animal welfare regulations
- relationships (internal and/or external):
 - interactions with co-workers.

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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