Modification history

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| Release | Comments |
| Release 1 | This version released with ACM Animal Care and Management Training Package Version 3.0.  |

| ACMINF50X | Manage equine biosecurity and infection control  |
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| Application | This unit of competency describes the skills and knowledge required to manage biosecurity and infection control in a broad range of equine work sites, properties or contexts. It covers knowledge of common equine diseases, and biosecurity and infection control principles and practices. The unit applies to managers of equine businesses or work groups within an equine work site, who have responsibility for biosecurity and infection control.No occupational licensing, legislative or certification requirements apply to this unit at the time of publication. Work health and safety (WHS), biosecurity and animal welfare regulations apply to workers in this industry. Requirements vary in each state/territory jurisdiction. Users are advised to check with the relevant authority for specific requirements. |
| Prerequisite Unit | Nil  |
| Unit Sector | Infection control (INF) |

| Elements | Performance Criteria |
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| Elements describe the essential outcomes. | Performance criteria describe the performance needed to demonstrate achievement of the element. |
| 1. Assess the risk of the equine work site to the introduction of diseases or contaminants  | 1.1 Research information on equine disease, infection control, biosecurity and emergency animal disease response1.2 Identify and analyse the risks of introducing diseases or contaminants to the equine work site1.3 Evaluate the level of risk and prioritise unacceptable or high level risks specific to work site 1.4 Assess the risk of an emergency disease outbreak for work site and geographic area 1.5 Determine options for treating and/or minimising identified risks |
| 2. Develop or update an equine biosecurity and infection control plan for work site  | 2.1 Document a plan to address areas of risk identified in work site risk assessment2.2 Discuss proposed biosecurity and infection control plan with staff and/or relevant personnel and incorporate feedback2.3 Prepare forms and documentation to support implementation of plan and to collect relevant information and data2.4 Develop or update an action plan for addressing suspected emergency animal diseases |
| 3. Implement disease prevention and biosecurity activities  | 3.1 Ensure all staff and relevant personnel are trained in procedures and requirements of the equine biosecurity and infection control plan3.2 Train staff in equine health requirements and how to recognise, report and act on equine disease and/or contaminants3.2 Implement management practices specific to work site to minimise the risk of introducing diseases or contaminants according to biosecurity and infection control plan |
| 4. Monitor disease prevention and biosecurity activities | 4.1 Monitor disease prevention and treatment programs against objectives and requirements of equine work site plan4.2 Monitor isolation, quarantine and biosecurity arrangements according to work site plan |
| 5. Maintain records on disease prevention and biosecurity activities | 5.1 Maintain up to date records relating to biosecurity and infection control for work site including records of training undertaken by work site personnel 5.2 Provide information on work site equine health and practices to relevant authorities5.3 Report on notifiable diseases according to relevant state or territory government requirements |
| 6. Review disease prevention and biosecurity plan for work site/property | 6.1 Maintain a schedule for updating and reviewing biosecurity and infection control plan and supporting documentation 6.2 Collect and analyse information and data relating to equine disease prevention and biosecurity activities to improve risk management for work site/property6.3 Obtain feedback from staff and/or relevant personnel to contribute to the review of policies, procedures and supporting documentation6.4 Review biosecurity and biosecurity and infection control plan according to timetable for review and update as required |

| Foundation SkillsThis 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 |
| Oral communication | * Use active listening skills and questioning techniques to obtain and clarify information about biosecurity and infection control
* Explain terminology, principles and concepts related to biosecurity and infection control to convey information appropriate to audience
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| Writing | * Prepare succinct documents that use clear language and sequenced instructions
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| Navigate the world of work | * Recognise the importance of biosecurity and infection control to the work site and equine industry and the need for compliance with regulatory requirements
* Work independently and collectively, taking responsibility for plans, decisions and outcomes relating to biosecurity and infection control
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| Interact with others | * Select and use appropriate written and verbal communication practices to convey information to staff and stakeholders
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| Get the work done | * Plan, sequence and prioritise multiple tasks to achieve outcomes
* Use routine business technologies and systems to access, prepare and communicate information
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| Unit Mapping Information |
| Code and title current version | Code and title previous version | Comments | Equivalence status |
| ACMINF50X Manage equine biosecurity and infection control | Not applicable | New unit | No 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 ACMINF50X Manage equine biosecurity and infection control |
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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:* carried out an equine biosecurity risk assessment for one property or work site
* documented one equine biosecurity and infection control plan including supporting documentation, covering:
* movement of equines into, within and out of the work site, other properties and/or geographical areas
* movement of vehicles, equipment, feed, and bedding
* movement of people visiting or working at the work site
* feral and domestic animals and pests
* design and construction features of the work site
* waste management practices
* water supply and storage
* emergency animal disease (EAD) action plan
* reviewed at least four different equine emergency disease outbreaks and documented a response to minimise the impacts of each outbreak
* implemented, monitored and reviewed the plan over a period of at least six months.
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| Knowledge Evidence |
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| 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:* potential disease or contaminant risks to an equine work site, including:
* movement of equines between work sites and geographical areas
* movement of vehicles, equipment, feed, and bedding
* movement of people visiting or working at the work site
* feral and domestic animals and pests
* design and construction features of the work site
* waste management practices
* disposal of dead or aborted animals and biological materials
* water supply and storage
* common equine diseases, including those caused by:
* bacteria - psittacosis, strangles
* fungi - ringworm
* parasites
* viruses - Hendra virus, equine herpes virus, equine influenza
* pests - processionary caterpillars (itchy grubs), mosquitos, bats, rodents
* other zoonoses that affect livestock including Q fever, brucellosis
* major routes for disease and pathogen transmission:
* transfer of equines from work site to another and mixing equines
* dead animal disposal
* people - biological sentinels
* vehicles and equipment
* air transmission
* feed and water contamination
* pests and weeds
* risk assessment and management techniques for:
* preventing controllable risks
* dealing with risks beyond control
* responding and recovering from an incident or crisis
* features of an biosecurity and infection control plan:
* goals and objectives
* roles and responsibilities of staff
* contact details for relevant people and organisations
* recording forms - visitor register, husbandry records, register of equine movements
* emergency animal disease (EAD) action plan
* Australian Veterinary Emergency Plan (AUSVETPLAN) for specific equine diseases
* basic overview of common diseases in equines, including:
* signs and symptoms
* incubation period and infectious period
* diagnosis and treatment
* methods to prevent and control common diseases, including:
* vaccinating and worming equines and other animals
* controlling rodents
* protecting equine feed and water from flying foxes and other pests
* isolating and treating sick animals
* reducing the risk of exposure to mosquitos where possible
* taking measures to manage movement in and out of potential infection areas
* common zoonotic diseases that can be spread to humans working with equines
* work activities, job roles and geographic areas most 'at risk' of equine disease infection
* notifiable conditions and diseases, including:
* state or territory regulations about reporting
* responsibilities for reporting
* reasons for reporting.
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| Assessment Conditions |
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| Assessment of skills must take place under the following conditions: * physical conditions:
* skills must be demonstrated in an equine venue or worksite or an environment that accurately represents workplace conditions
* resources, equipment and materials:
* access to internet to research information on biosecurity and infection control relevant to equine work site
* templates or guidelines for an biosecurity and infection control plan
* case studies of potential equine emergency disease outbreaks
* relationships:
* staff members.

Training and assessment strategies must show evidence of the use of guidance provided in the Companion Volume: User Guide: Safety in Equine Training. 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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