Modification history

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| Release | Comments |
| Release 2 | This version released with AHC Agriculture, Horticulture and Conservation and Land Management Training Package Version 6.0. |
| Release 1 | This version released with AHC Agriculture, Horticulture and Conservation and Land Management Training Package Version 1.0. |

| AHCBIO403 | Plan and implement a biosecurity program |
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| Application | This unit of competency describes the skills and knowledge required to identify potential biosecurity threats, conduct a risk assessment and plan and implement and review a biosecurity program to mitigate risk.The unit applies to individuals who apply specialist skills to provide solutions to technical and unpredictable problems. They work autonomously, instruct and monitor the work of others within a team. They use discretion and judgment in the selection, allocation and use of available resources.No licensing, legislative or certification requirements apply to this unit at the time of publication. |
| Prerequisite Unit | Nil |
| Unit Sector | Biosecurity (BIO) |

| 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. Scope threats and hazards for a biosecurity program | 1.1 Identify, collate and interpret biosecurity advice, standards and protocols relevant to workplace1.2 Identify known biosecurity threats to workplace operations1.3 Identify current potential incursion points for property and workplace operations1.4 Establish the goals of a biosecurity program for workplace operations |
| 2. Conduct a biosecurity risk assessment  | 2.1 Investigate workplace activity and practices for potential biosecurity hazards and assess the risks2.2 Identify and assess control measures to mitigate risk for resources entering and leaving the workplace2.3 Identify and assess procedures to manage human activity and movement2.4 Identify and assess control measures for vehicles and equipment to reduce biosecurity threats |
| 3. Document biosecurity program | 3.1 Collate controls for identified biosecurity hazards and risks3.2 Consider cost of implementing identified controls and determine financial limits with management3.3 Combine control measures into a biosecurity plan according to workplace procedures and industry best practice  |
| 4. Prepare for training and keeping records | 4.1 Develop a communication program for informing work team and visitors of biosecurity procedures4.2 Identify and document training requirements for worktime and visitors for biosecurity controls4.3 Develop record keeping procedures for monitoring program according to workplace procedures |
| 5. Implement and monitor biosecurity program | 5.1 Induct and train work team and visitors according to biosecurity program5.2 Monitor work team and visitor adherence to biosecurity procedures5.3 Monitor effectiveness of biosecurity program against the planned goals |
| 6. Review biosecurity program | 6.1 Review industry developments, standards and protocols in biosecurity management6.2 Revise risk assessment and control measures and update biosecurity program6.3 Review and update staff training and induction records for staff and visitors |

| 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 |
| Learning | * Plan to review biosecurity resources produced by industry to update personal skills and knowledge for revising and redesigning biosecurity plan and program
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| Reading | * Interpret and critically analyse biosecurity advice, standards, and protocols for including content in plans and programs
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| Writing | * Communicate complex relationships between biosecurity principles into plans and programs using a style of writing applicable to work team and visitors
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| Oral communication | * Demonstrate a flexibility in spoken text by choosing appropriate structures and strategies when communicating with work team and visitors
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| Unit Mapping Information |
| Code and title current version | Code and title previous version | Comments | Equivalence status |
| AHCBIO403 Plan and implement a biosecurity programRelease 2 | AHCBIO403 Plan and implement a farm or enterprise biosecurity planRelease 1 | Changes to Titleand Application.Consolidated Performance Criteria and Elements by removing duplication for clarity and brevityUpdated Performance Evidence, Knowledge Evidence and Assessment Conditions | 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=c6399549-9c62-4a5e-bf1a-524b2322cf72 |

| TITLE | Assessment requirements for AHCBIO403 Plan and implement a biosecurity program |
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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 planned and implemented at least one biosecurity program and has:* scoped biosecurity threats and possible incursion points and established goals for property
* used current biosecurity advice, standards and protocols
* identified biosecurity hazards, assessed the risks and identified controls for the specific work site, including:
* inputs to the workplace
* output from the workplace
* movement of personnel and visitors
* movement and hygiene of machinery and equipment
* worksite practices
* pest and disease control
* prepared a communications program to train work team and visitors
* identified and assessed documentation required for managing biosecurity
* developed a program for implementing biosecurity
* monitored work team and visitor compliance
* reviewed industry developments and revised biosecurity plan
* reviewed and updated training and induction records.
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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:* national industry standards and guidelines relevant to managing biosecurity
* Nationally Agreed Standard Operating Procedures (NASOP) relevant to biosecurity planning
* principles of risk management for biosecurity, including:
* relevant standards and procedures
* identification
* assessment of risk and the significance and severity
* evaluation of risk
* establishing control options
* documentation and traceability procedures, including:
* quality and disease free assurance status
* compliance with national, state and territory standards and regulations
* industry health assurance programs
* movement of product and materials on and from properties
* chemical use and storage in accordance with industry best practice
* pest, disease and weed status of organic materials and compliance with Industry Purchasing Code of Practice or equivalent quality controls
* biosecurity threats to production and land management environments
* workplace inputs, including:
* new plants or animals
* quality of water resource
* production material
* use of organic and inorganic materials
* workplace product and materials used for outputs, including:
* harvest bins and packaging operations
* transport and movement of product and materials
* intensive animal husbandry
* propagation and production resources
* movement of workers and visitors, including:
* training and communication
* signage
* visitor access, sign in and out
* controlled access points and production areas
* general hygiene
* biosecurity entry and exist procedures such as shower in and shower out
* vehicles and equipment, including:
* dedicated equipment use and storage
* vehicle entry points, roads and tracks
* vehicle movement and parking
* vehicle and equipment hygiene and run off from wash areas
* worksite and production practices, including:
* plant or animal by-products and waste
* product and feed storage
* water quality and access
* animal or plant disease control and resistance to treatments
* monitoring production, biosecurity surveillance and frequency
* fencing and boundary security
* control of pests, including:
* vertebrate pests
* pest and volunteer plants
* treatments and control measures
* influence of biosecurity on property and enterprise performance and values
* possible environmental incursion points to sites, including, wind, denudation and soil movement
* planning processes for costing, allocating resources and establishing timelines
* importance of records and record keeping for biosecurity procedures and processes.
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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 a work environment specified in the performance Evidence or an environment that accurately represents workplace conditions
* resources, equipment and materials:
* use of specific tools and equipment for training work team and inducting visitors
* specifications:
* use of workplace policies, procedures and process information for the specific workplace environment
* access to relevant legislation, codes of practice for biosecurity
* relationships:
* visitors
* work team.

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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