



Australian Government

AHCBIO401 Plan and implement a biosecurity program

Release: 1

AHC BIO401 Plan and implement a biosecurity program

Modification History

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

Application

This unit of competency describes the skills and knowledge required to identify potential biosecurity threats, conduct a risk assessment and develop, implement and review a biosecurity program.

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.

Pre-requisite Unit

Nil

Unit Sector

Biosecurity (BIO)

Elements and Performance Criteria

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. Scope threats and hazards for a biosecurity program	1.1 Collate and interpret biosecurity advice, standards and protocols according to the biosecurity plan 1.2 Confirm known biosecurity threats to workplace operations 1.3 Identify current potential incursion points for property and workplace operations 1.4 Incorporate the objectives of biosecurity plan for workplace

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	operations
2. Conduct a biosecurity risk assessment	2.1 Investigate workplace activity and practices for potential biosecurity hazards and assess the risks 2.2 Identify and assess control measures to mitigate risk for resources entering and leaving the workplace 2.3 Identify and assess procedures to manage human activity and movement 2.4 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 risks 3.2 Identify resources for implementing identified controls 3.3 Prioritise biosecurity activity within financial limits of management 3.4 Combine control measures into a biosecurity program according to workplace operations
4. Prepare for training and keeping records	4.1 Develop a communication program for informing work team and visitors of biosecurity procedures 4.2 Identify and document training requirements for work team and visitors for biosecurity controls 4.3 Develop record keeping procedures for monitoring program according to biosecurity plan
5. Implement and monitor biosecurity program	5.1 Induct and train work team and visitors according to biosecurity plan 5.2 Monitor work team and visitor adherence to biosecurity procedures 5.3 Monitor effectiveness of biosecurity program against the planned goals
6. Review biosecurity program	6.1 Review outcomes of biosecurity program implementation against planned goals 6.2 Identify and record inconsistencies between implementation and goals 6.3 Compile recommendations to rectify inconsistencies for future programs

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	6.4 Record and report recommendations for biosecurity programs according to workplace 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.

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
Reading	Interpret and critically analyse biosecurity advice, standards, and protocols for including content in plans and programs
Writing	Communicate complex relationships between biosecurity principles into plans and programs using a style of writing applicable to work team and visitors
Oral Communication	Communicate clearly and effectively with work team and visitors

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
AHC BIO401 Plan and implement a biosecurity program	AHC BIO403 Plan and implement a farm or enterprise biosecurity plan	Changed unit code Changes to title and Application Consolidated Performance Criteria and Elements by removing duplication for clarity and brevity Updated Performance Evidence, Knowledge Evidence and Assessment	Equivalent

Code and title current version	Code and title previous version	Comments	Equivalence status
		Conditions	

Links

Companion Volumes, including Implementation Guides, are available at VETNet: -
<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=c6399549-9c62-4a5e-bf1a-524b2322cf72>

Assessment Requirements for AHC BIO401 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 biosecurity program
- reviewed and updated training and induction 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:

- national industry standards and guidelines relevant to managing biosecurity
- 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
- 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, harvest 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.

Assessment Conditions

Assessment of the skills in this unit of competency 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:
 - specific tools and equipment for training work team and inducting visitors
- specifications:
 - workplace policies, procedures and process information for the specific workplace environment
 - 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.

Links

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