



**Australian Government**

# **AHCSDT414 Maintain a quarantine approved laboratory**

**Release: 1**

# AHCSDT414 Maintain a quarantine approved laboratory

## Modification History

| Release   | Comments                                                                                                                    |
|-----------|-----------------------------------------------------------------------------------------------------------------------------|
| Release 1 | This version released with AHC Agriculture, Horticulture and Conservation and Land Management Training Package Version 7.0. |

## Application

This unit of competency describes the skills and knowledge required to maintain and monitor a quarantine approved laboratory that meets federal and state government certification requirements.

The unit applies to senior seed analysts who analyse information and exercise judgement to complete a range of advanced skilled activities and demonstrate deep knowledge in a specific technical area. They have accountability for the work of others and analyse, design and communicate solutions to a range of complex problems. All work is carried out to comply with workplace procedures.

Federal, state and territory legislation, regulations and certification requirements apply to this unit for biological materials subject to quarantine.

## Pre-requisite Unit

Nil

## Unit Sector

Seed Testing (SDT)

## 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. Interpret and communicate quarantine requirements | 1.1 Maintain information on quarantine and biosecurity requirements impacting laboratory operations<br>1.2 Distribute information on responsibilities of work team to maintain laboratory's compliance according to state and federal regulations<br>1.3 Explain implications of non-compliance with regulations to |

| Elements                                              | Performance Criteria                                                                                                                                                                                                                                                                                                                                                                |
|-------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <i>Elements describe the essential outcomes.</i>      | <i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>                                                                                                                                                                                                                                                                              |
|                                                       | personnel within laboratory                                                                                                                                                                                                                                                                                                                                                         |
| 2. Ensure that work practices are compliant           | 2.1 Plan work practices to ensure compliance<br>2.2 Implement testing procedures for methods and equipment in compliance with regulations<br>2.3 Implement systems to ensure accuracy and/or efficiency of equipment<br>2.4 Coach and mentor team members compliance according quarantine and biosecurity procedures                                                                |
| 3. Review, modify and implement laboratory procedures | 3.1 Identify, rectify and report problems with compliance<br>3.2 Minimise potential non-compliance through on-going review of procedures and supervision of activities<br>3.3 Advise laboratory personnel of strategies to improve compliance<br>3.4 Communicate new and improved procedures to laboratory personnel                                                                |
| 4. Investigate, rectify and report non-conformance    | 4.1 Investigate and manage incidents and occurrences of non-compliance<br>4.2 Provide training for laboratory personnel to acquire and apply competencies to meet compliance<br>4.3 Redesign or adjust work practices to ensure that non-compliance is not repeated<br>4.4 Maintain systems, records and reporting procedures according to state and federal quarantine regulations |

## 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                                                                                                                                |
|---------|--------------------------------------------------------------------------------------------------------------------------------------------|
| Reading | <ul style="list-style-type: none"> <li>Interpret and comply with documented federal, state and territory quarantine regulations</li> </ul> |
| Writing | <ul style="list-style-type: none"> <li>Document clearly defined work practices for work team to follow</li> </ul>                          |

| Skill              | Description                                                                                    |
|--------------------|------------------------------------------------------------------------------------------------|
| Oral Communication | <ul style="list-style-type: none"><li>Communicate quarantine procedures to work team</li></ul> |

## Unit Mapping Information

| Code and title<br>current version                         | Code and title<br>previous version                        | Comments                                                                                                                                                                                                                                                  | Equivalence status |
|-----------------------------------------------------------|-----------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|
| AHCSDT414<br>Maintain a quarantine<br>approved laboratory | AHCSDT401<br>Maintain a quarantine<br>approved laboratory | Edited Application for<br>clarity<br><br>Minor changes to<br>Performance Criteria for<br>clarity<br><br>Foundation Skills refined<br><br>Performance Evidence and<br>Knowledge Evidence<br>clarified<br><br>Amended structure of<br>Assessment Conditions | Equivalent         |

## 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 AHCSDT414 Maintain a quarantine approved laboratory

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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 on at least one occasion maintained a quarantine approved laboratory and has:

- monitored a quarantine approved laboratory meeting federal and state regulations and certification
- planned work processes and initiated action to rectify instances of non-compliance
- maintained records and reporting according to quarantine and biosecurity regulations
- designed and negotiated changes to work practices and procedures to comply with quarantine and biosecurity regulations
- provided information, coaching and mentoring support to laboratory work team to comply with required work practices.

## 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:

- state and federal quarantine and biosecurity regulations for approved laboratories
- compliant laboratory systems, records and reporting procedures
- workplace procedures
- health, safety and environment requirements for approved quarantine laboratories
- statutory and legal compliance requirements
- coaching and mentoring strategies
- communication and supervision skills/techniques.

## 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 quarantine compliant laboratory or an environment that accurately represents workplace conditions
- resources, equipment and materials:
  - tools, equipment and materials subject to quarantine regulations
  - training and mentoring materials and equipment
- specifications:
  - workplace policies, procedures and processes
  - specific legislation, regulations and codes of practice for quarantine compliant laboratories and biosecurity
- relationships:
  - 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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