



Australian Government

AHCWRK514 Manage trial and research material

Release: 1

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Modification History

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

Application

This unit of competency describes the skills and knowledge required to identify the scope and extent of trial and research work, oversee management of trial and research material, and prepare reports.

The unit applies to individuals who apply specialised skills and knowledge to the management of trial and research material, and take personal responsibility and exercise autonomy in undertaking complex work. They analyse and synthesise information, and analyse, design and communicate solutions to sometimes complex problems.

All work must be carried out to comply with workplace procedures, health and safety in the workplace requirements, legislative and regulatory requirements, and sustainability and biosecurity practices.

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

Pre-requisite Unit

Nil

Unit Sector

Work (WRK)

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. Identify scope and extent of work	1.1 Plan the trial or research to meet research objectives 1.2 Assess data relevant to managing trial or research materials according to research parameters

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	1.3 Identify and assess workplace health and safety hazards and risks relating to research 1.4 Develop and cost workplace health and safety controls, and document in the trial or research design 1.5 Identify and cost tools, equipment and machinery required for managing trial 1.6 Identify and cost research materials, products and inputs, and confirm availability with suppliers, contractors and appropriate personnel 1.7 Apply research design according to the trial or research plan
2. Oversee management of trial or research materials	2.1 Prepare, maintain and monitor trial or research in line with research parameters 2.2 Conduct field work to verify and collect data as required by the trial or research design and research parameters 2.3 Monitor work activities for accuracy, validity and compliance to the parameters of the trial or research design 2.4 Undertake staged data collection as required by the trial or research design, scheduling and access requirements 2.5 Maintain records of monitoring activities and data collecting
3. Prepare reports on completed work	3.1 Access collected data for reports 3.2 Collate data to assist in determining significance of research results 3.3 Produce a report following appropriate report writing techniques to accurately convey results

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	Identify and interpret information regarding the research hypothesis and parameters

Skill	Description
	Identify and interpret research objectives
Oral communication	Initiate discussions with suppliers, contractors and appropriate personnel, using clear language to confirm availability and cost of research tools, equipment, machinery and materials

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
AHCWRK514 Manage trial and research material	AHCWRK505 Manage trial and research material	Performance criteria clarified Foundation skills added Assessment requirements updated	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 AHCWRK514 Manage trial and research material

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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 managed trial and research material on at least one occasion, and has:

- complied with research and workplace health and safety requirements
- identified the purpose, scope and extent of work
- calculated and documented research costs
- overseen the management of trial and research materials
- collated data and produced report using industry standard terminology.

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:

- research methodologies, planning and design
- workplace health and safety legislation, regulations and workplace procedures relevant to managing trial and research material
- research procedures and best practice techniques
- workplace team management guidelines relevant to managing trial and research material
- data collection and reporting techniques.

Assessment Conditions

Assessment of the skills in this unit of competency must take place under the following conditions:

- physical conditions:
 - a workplace setting or an environment that accurately represents workplace conditions
- resources, equipment and materials:

- research hypothesis, parameters and objectives
- specifications:
 - workplace health and safety legislation, regulations and workplace procedures applicable to managing trial and research material
- relationships:
 - suppliers, contractors and appropriate personnel
- timeframes:
 - according to the job requirements.

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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