



Australian Government

AHCWRK505 Manage trial and research material

Release: 1

AHCWRK505 Manage trial and research material

Modification History

Release	TP Version	Comment
1	AHCv1.0	Initial release

Application

This unit of competency describes the skills and knowledge required to manage a trial and research material as part of a designated research project.

This unit applies to individuals who take personal responsibility and exercise autonomy in undertaking complex work. They demonstrate deep knowledge in a specific technical area and analyse, design and communicate solutions to sometimes complex problems.

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

Pre-requisite Unit

Nil.

Unit Sector

Work (WRK)

Elements and Performance Criteria

Element	Performance criteria
Elements describe the essential outcomes.	Performance criteria describe the performance needed to demonstrate achievement of the element.
1. Identify scope and extent of work	1.1 Identify trial and research hypothesis and parameters as required by researchers 1.2 Plan the trial or research to meet research objectives 1.3 Assess the data relevant to managing trial or research materials according to research parameters 1.4 Assess data relevant to managing trial or research materials 1.5 Identify work health and safety, assess risks and develop controls and cost and document in the survey design 1.6 Identify and cost tools, equipment and machinery required for

Element	Performance criteria
	managing trial or research materials and confirm availability with suppliers, contractors and appropriate personnel 1.7 Determine research design according to the trial or research plan
2. Oversee management of trial/research materials	2.1 Prepare, maintain and monitor trial or research in line with project 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 Record monitoring and data
3. Prepare reports on work complete	3.1 Record collected data 3.2 Analyse data statistically to determine significance of research results 3.3 Accept or reject hypothesis based on data collected 3.4 Produce reports which conform to the structure and content required by the researcher

Foundation Skills

Foundation Skills essential to performance are explicit in the performance criteria of this unit of competency.

Range of Conditions

Unit Mapping Information

This unit is equivalent to AHCWRK505A Manage trial and/or research material.

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=c6399549-9c62-4a5e-bf1a-524b2322cf72>

Assessment Requirements for AHCWRK505 Manage trial and research material

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Performance Evidence

The candidate must be assessed on their ability to integrate and apply the performance requirements of this unit in a workplace setting. Performance must be demonstrated consistently over time and in a suitable range of contexts.

The candidate must provide evidence that they can:

- define the purpose of the trial
- identify scope and extent of work
- collate data
- oversee management of trial and research materials
- comply with legislative and enterprise requirements
- draw conclusions and apply findings of trials and research
- use industry standard terminology.

Knowledge Evidence

The candidate must demonstrate knowledge of:

- scheduling and programming work within timelines
- ecological principles and terminology
- data collection and reporting
- research procedures and best practice techniques
- enterprise work team management guidelines
- data analysis techniques
- research planning and design
- research methodologies.

Assessment Conditions

Assessors must satisfy current standards for RTOs.

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