



Australian Government

Department of Education, Employment and Workplace Relations

AHCWRK505A Manage trial and/or research material

Release: 1

AHCWRK505A Manage trial and/or research material

Modification History

Not Applicable

Unit Descriptor

Unit descriptor	This unit covers the process of managing a trial and/or research materials as part of a designated research project and defines the standard required to: define the purpose of the trial and the scope and extent of the work; oversee management of trial/research materials; collate data from trials or research; draw conclusions and apply findings of trials and/or research.
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Application of the Unit

Application of the unit	This unit is likely to be undertaken alone or under broad guidance. It requires a high level of technical understanding about the aims and methodologies of research.
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Licensing/Regulatory Information

Not Applicable

Pre-Requisites

Prerequisite units		

Employability Skills Information

Employability skills	This unit contains employability skills.
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Elements and Performance Criteria Pre-Content

Not Applicable

Elements and Performance Criteria

ELEMENT	PERFORMANCE CRITERIA

ELEMENT	PERFORMANCE CRITERIA
1. Identify scope and extent of work	1.1. Trial/research hypothesis and parameters are identified according to researchers' requirements. 1.2. Trial/research is planned to meet research objectives. 1.3. Data relevant to managing trial/research materials is assessed according to research parameters. 1.4. Data relevant to managing trial/research materials is assessed according to enterprise policy. 1.5. Occupational Health and Safety (OHS) hazards associated with managing trial/research materials are identified, risks assessed, and controls developed according to enterprise guidelines, costed and documented in the survey design. 1.6. Tools, equipment and machinery required for managing trial/research materials are identified, costed, and availability confirmed with suppliers, contractors and appropriate personnel. 1.7. Research design is determined according to the trial/research plan.
2. Oversee management of trial/research materials	2.1. Trial/research is prepared, maintained and monitored according to project parameters. 2.2. Field work is conducted to verify and collect data according to the trial/research design and research parameters. 2.3. Work activities are monitored for accuracy, validity and compliance to the parameters of the trial/research design. 2.4. Staged data collection is undertaken according to trial/research design, scheduling and access requirements. 2.5. Monitoring and data is recorded faithfully, promptly and accurately according to the specifications of the trial/research design.
3. Prepare reports on work complete	3.1. Collected data is recorded according to trial/research requirements and guidelines. 3.2. Data is statistically analysed to determine significance of research results. 3.3. Hypothesis is accepted or rejected based on data collected. 3.4. Reports are produced which conform to the structure and content required by the researcher.

Required Skills and Knowledge

REQUIRED SKILLS AND KNOWLEDGE

This section describes the skills and knowledge required for this unit.

Required skills

- define the purpose of the trial
- identify scope and extent of work
- collate data
- oversee management of trial/research materials
- comply with legislative and enterprise requirements
- use literacy skills to fulfil job roles as required by the organisation. The level of skill may range from reading and understanding documentation to completion of written reports
- use oral communication skills/language competence to fulfil the job role as specified by the organisation including questioning, active listening, asking for clarification, negotiating solutions and responding to a range of views
- use numeracy skills to estimate, calculate and record complex workplace measures
- use interpersonal skills to work with others and relate to people from a range of cultural, social and religious backgrounds and with a range of physical and mental abilities.

Required knowledge

- 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.

Evidence Guide

EVIDENCE GUIDE	
The evidence guide provides advice on assessment and must be read in conjunction with the performance criteria, required skills and knowledge, range statement and the Assessment Guidelines for the Training Package.	
Overview of assessment	
Critical aspects for assessment and evidence required to demonstrate competency in this unit	The evidence required to demonstrate competency in this unit must be relevant to workplace operations and satisfy holistically all of the requirements of the performance criteria and required skills and knowledge and include achievement of the following: • define the purpose of the trial and the scope and extent of the work • oversee management of trial/research materials • collate data from trials or research • draw conclusions and apply findings of trials and/or research.
Context of and specific resources for assessment	Competency requires the application of work practices under work conditions. Selection and use of resources for some worksites may differ due to the regional or enterprise circumstances.

Range Statement

RANGE STATEMENT	
The range statement relates to the unit of competency as a whole.	
Trials may include:	• research projects • field trials.

Unit Sector(s)

Unit sector	Work
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Co-requisite units

Co-requisite units		

Competency field

Competency field	
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