TAERES501A Apply research to training and assessment practice

Release: 1

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Modification History

Version   **Comments**

TAERES501A Released with *TAE10 Training and Education Training Package version 2.0*

Unit Descriptor

This unit describes the performance outcomes, skills and knowledge required to undertake research into educational theory and apply this research to improve current training and assessment practice.

Application of the Unit

This unit typically applies to those who need to develop skills in research in order to apply educational theory to improve current and future training and assessment practice.

Licensing/Regulatory Information

Not applicable.

Pre-Requisites

Not applicable.

Employability Skills Information

This unit contains employability skills.

Elements and Performance Criteria Pre-Content

ELEMENT	PERFORMANCE CRITERIA
Elements describe the essential outcomes of a unit of competency.	*Performance criteria describe the performance needed to demonstrate achievement of the element. Where bold italicised text is used, further information is detailed in the required skills and knowledge section and the range statement. Assessment of performance is to be consistent with the evidence guide.*

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Elements and Performance Criteria

1. Prepare research brief relating to training and assessment practice	1.1 Identify purpose of research to be conducted according to the current and future needs of the organisation around training and assessment practice
	1.2 Identify and report on rationale for research and proposed research procedures and methodology to be used
	1.3 Define activities to be undertaken in conducting the research, timeframe, resource required and expected outcomes in line with *organisational* practice
	1.4 Develop process and criteria to evaluate achievement of the outcomes
	1.5 Prepare budget and timelines for the research in line with organisational requirements and constraints
	1.6 Present *research proposal* to relevant personnel for approval, in line with organisational procedures
2. Conduct research in training and assessment practice	2.1 Manage and conduct research activities using effective techniques for project management, implementation and data collection
	2.2 Collect data and record appropriate project activities in line with the research proposal
	2.3 Analyse data from research in relation to its application to improving current and future training and assessment practice
3. Investigate and apply educational theory to the research	3.1 Identify appropriate sources of information to identify relevant *educational theory*
	3.2 Apply appropriate educational theories to the outcomes of the training and assessment research
	3.3 Make recommendations for training and assessment development and improvement in line with the identified current and future needs of the organisation
4. Report on application of educational theory to training and assessment practice	4.1 Prepare relevant *documentation* on research findings using academic referencing and citation protocols, for presentation to key personnel
	4.2 Make recommendations for action to improve current and future training and assessment practice based on the research findings and present to relevant personnel for approval
	4.3 Establish criteria to monitor and evaluate new practices based on the research recommendations and recommend monitoring and evaluation processes

5. Review entire process	5.1 Design a process to review the research procedures, methodologies, data collection, analysis and reporting
	5.2 Conduct the review in consultation with key personnel
	5.3 Make recommendations for further research based on the review

Required Skills and Knowledge

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

Required skills

- communication skills to:
    - prepare reports
    - explain research objectives, processes and outcomes clearly to others
    - ask relevant research questions
- critical thinking skills to:
    - think critically about learning and assessment processes
    - identify innovative applications of research to training and assessment practices
- learning skills to select appropriate research methodology
- literacy skills to:
    - prepare research briefs
    - locate and evaluate information
    - write fluently, accurately and legibly using appropriate text types
- numeracy skills to:
    - prepare and monitor budgets
- planning and organising skills to plan and conduct research
- problem solving skills to review processes and make recommendations
- teamwork skills to collaborate with others as required in the research process
- technology skills to locate sources of information for research purposes.

Required knowledge

- academic referencing and citation protocols
- Australian Code for the Responsible Conduct of Research
- ethical principles and guidelines for Indigenous research
- intellectual property protocols
- range of relevant research methods
- sources of information relevant to research.

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	Evidence of the ability to:
	
	 • complete at least one research project which includes:
	
	   • a research brief including purpose of research, rationale, methodology, research activities, timeframe, resources required and expected outcomes
	   • wide research into educational theory
	   • analysis of data in relation to its application to improving current and future training and assessment practice
	   • recommendations for action to improve current and future training and assessment practice
	   • criteria to monitor and evaluate new practices based on research
	
	 • conduct a review of the research process with recommendations for future research.

Context of and specific resources for assessment	Evidence must be gathered in the workplace wherever possible. Where no workplace is available, a simulated workplace must be provided.
Method of assessment	
Guidance information for assessment	

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Range Statement

The range statement relates to the unit of competency as a whole. It allows for different work environments and situations that may affect performance. Bold italicised wording, if used in the performance criteria, is detailed below. Essential operating conditions that may be present with training and assessment (depending on the work situation, needs of the candidate, accessibility of the item, and local industry and regional contexts) may also be included.

Organisation may include:	- an enterprise - industry body - government department or agency - non-government or community organisation.
Research proposal may include:	- methodology - procedure - research tools - variables - legal or ethical considerations for the research including timeline - proposed budget.
Documentation may include:	- discussion of any limitations of methodology, data and analysis or process - presentation of the outcomes and recommendations - relevant appendices - research report - support for the activity, process or research hypothesis.

Unit Sector(s)

Research

Custom Content Section

Not applicable.