Modification history

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| Release | Comments |
| Release 1 | This version released with AMP Australian Meat Processing Training Package Version 8.0. |

| AMPMGT8X13 | Undertake research project |
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| Application | This unit describes the skills and knowledge required to undertake independent study as a research project directed towards an agribusiness issue or problem, including a literature review. The project outcomes must be designed to influence strategic practices and outcomes within an industry context. Some topics will require knowledge of experimental design, survey techniques and statistical analysis of results.  This unit applies to leaders or managers using applied research methodologies to address an industry or sectorial issue.  The focus of this unit is on using research to better understand industry opportunities and threats in order to gain improved industry performance.  All work must be carried out to comply with workplace procedures, in accordance with state/territory health and safety regulations, legislation and standards that apply to the workplace.  No licensing, legislative or certification requirements apply to this unit at the time of publication. |
| Prerequisite Unit | Nil |
| Unit Sector | Management (MGT) |

| Elements | Performance Criteria |
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| Elements describe the essential outcomes. | Performance criteria describe the performance needed to demonstrate achievement of the element. |
| 1. Define topic | 1.1 Identify and scope research issue  1.2 Develop and refine research questions  1.3 Identify research methodologies  1.4 Develop hypotheses |
| 2. Undertake literature review | 2.1 Identify suitable sources of literature  2.2 Analyse and present literature outcomes  2.3 Refine research questions and strategy in light of literature review findings |
| 3. Undertake research | 3.1 Develop and validate research instruments  3.2 Identify and address ethical and confidentiality requirements  3.3 Identify environmental sustainability issues associated with the research  3.4 Undertake research  3.5 Record findings |
| 4. Present findings | 4.1 Analyse research outcomes  4.2 Review and analyse research methodology  4.3 Develop recommendations  4.4 Prepare and present research report  4.5 Present report for peer review |

| 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. | |
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| Skill | Description |
| Reading | * Engage critically with complex tests from a range of sources |
| Writing | * Produce a comprehensive report that includes an abstract, statement of scope, research methodology, analysis of findings, conclusion and references * Plan, draft, review and proofread sections and versions of the research report |
| Oral communication | * Present research findings to groups using presentation aids |

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| Unit Mapping Information | | | |
| Code and title current version | Code and title previous version | Comments | Equivalence status |
| AMPMGT8X13 Undertake research project | AMPMGT808 Undertake research project | Unit code and title updated  Foundation Skills added  Performance Evidence, Knowledge Evidence and Assessment Conditions revised | Equivalent |

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| Links | Companion Volumes, including Implementation Guides, are available at VETNet:  <https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=5e2e56b7-698f-4822-84bb-25adbb8443a7> |

| TITLE | Assessment requirements for AMPMGT8X13 Undertake research project |
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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 undertaken an independent research project to address at least one agri-business issue or problem, including:   * completed a comprehensive literature review * formulated research proposal or plan including: * specific research questions or hypotheses * valid population or sample size * description of the geographical, cultural, social or institutional context within which the research will be undertaken * full description of the data collection methods * analysed of the limitations to research design * designed appropriate tools and techniques to gather data * produced a comprehensive research report that includes analysis of data, and valid and reliable findings.   The individual must also have:   * used analysis and interpretation skills to: * critically reviewed other research strategies, analysis and findings * applied research findings to a current issue * selected relevant information and documentation * used communication and negotiation skills to: * presented and explained research ideas * gained commitment to participate in research activity * presented findings * developed and conducted research activity * undertaken risk assessment and resolved issues that arise throughout project. | |

| Knowledge Evidence |
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| 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:   * relevant legislation and regulatory requirements relevant to research topic * research methods and techniques * qualitative and quantitative data collection methods * risk assessment and monitoring strategies, including environmental risk analysis * strategies to analyse and evaluate effectiveness of research * research report format including comprehensive citing and referencing approach. |

| Assessment Conditions |
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| Assessment of the skills in this unit of competency must take place under the following conditions:   * physical conditions: * skills must be demonstrated in an agribusiness context * resources, equipment and materials: * access to appropriate technology for researching and communicating with stakeholders * specifications: * workplace documents relevant to research topic * access to legislation and codes of practice relevant to business and research topic.   Assessment for this unit must include at least three forms of evidence.  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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