Modification history

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| Release | Comments |
| Release 2 | This version released with AHC Agriculture, Horticulture and Conservation and Land Management Training Package Version 3.0. |
| Release 1 | This version released with AHC Agriculture, Horticulture and Conservation and Land Management Training Package Version 1.0. |

| AHCPMG305 | Survey pests |
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| Application | This unit of competency describes the skills and knowledge required to survey pest abundance for plants, vertebrate or invertebrate animals using a range of observation techniques in conjunction with workplace pest management plan, survey strategy and monitoring program in accordance with established standards and protocols.  The unit applies to individuals who work under broad direction and take responsibility for their own work use discretion and judgement in the selection and use of available resources.  No occupational licensing, legislative or certification requirements are known to apply to this unit at the time of publication. |
| Prerequisite unit | Nil |
| Unit sector | Pest Management (PMG) |

| 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. Prepare to conduct survey | 1.1 Access and interpret pest management plan, survey strategy and monitoring program documents according to workplace procedures  1.2 Map location and boundaries for the count and obtain required permits  1.3 Work with key stakeholders to develop trust and effective working relationships  1.4 Identify natural areas and features  1.5 Confirm location of habitats and the range of movement of the target pest  1.6 Determine items of direct evidence of the pest to be counted and survey method  1.7 Determine time and duration of the count and notify relevant personnel  1.8 Identify safety hazards and take precautions to minimise risks associated with the selected survey method  1.9 Identify environmental risks and take precautions to minimise risks associated with the count  1.10 Check serviceability of resources required to complete the count |
| 2. Conduct survey and record observations | 2.1 Operate equipment according to workplace procedures and operator instructions  2.2 Conduct count within boundaries of specified location  2.3 Record observations of direct evidence of the target pest and report to supervisor  2.4 Clean and store equipment and materials  2.5 Apply animal welfare policies and procedures when conducting survey |

| 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 | * Reads and interprets plans, strategies and other documentation and consolidates information to determine and implement surveys |
| Writing | * Accurately completes organisational records of observations using clear language and industry terminology |
| Numeracy | * Performs basic mathematical calculations to determine counts and preparing reports and records |
| Navigate the world of work | * Takes personal responsibility for following explicit and implicit policies, procedures and permit requirements |
| Interact with others | * Selects and uses appropriate conventions and protocols when communicating with key stakeholders |
| Get the work done | * Takes responsibility for planning, sequencing and prioritising tasks and workload |

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| Unit Mapping Information | | | |
| Code and title current version | Code and title previous version | Comments | Equivalence status |
| AHCPMG305 Survey pests | AHCVPT303 Survey pests | Updated to meet Standards for Training Packages  Minor changes to Performance Criteria for clarity | No equivalent unit |

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| Links | Companion Volumes, including Implementation Guides, are available at VETNet: https://vetnet.education.gov.au/Pages/TrainingDocs.aspx?q=c6399549-9c62-4a5e-bf1a-524b2322cf72 |

| TITLE | Assessment requirements for AHCPMG305 Survey pests |
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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 on at least one occasion the individual has demonstrated that they have surveyed pests including:   * organised and completed a pest survey according to the organisation’s pest management plan and survey strategy * recognised signs or evidence of common pest * counted, calculated and recorded observations * operated equipment safely and in accordance with workplace procedures * cleaned and stored the equipment at the conclusion of the job * took appropriate safety precautions for all pest survey activities * applied appropriate animal welfare practices. | |
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| 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:   * survey techniques and equipment appropriate to the geography and type of pest being surveyed * health and safety considerations with survey techniques including aerial observation * the basic requirements for ensuring the welfare of animals described in the relevant Codes of Practice * relevant parts of the organisation's pest management plan and survey strategy * permits and permissions required for survey work * pest survey plans and their application * pest behaviour and habitats including areas that have a high probability of infestation * direct evidence requirements of range of pests included in pest management plan * survey recording methods and procedures * map reading techniques for survey work. |

| Assessment Conditions |
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| Assessment of skills must take place under the following conditions:   * physical conditions: * skills must be demonstrated on a site with pests to be surveyed or an environment that accurately represents workplace conditions * resources, equipment and materials: * live pests to be surveyed * use of survey tools and equipment * use of specific items of personal protective equipment * specifications: * use of specific workplace documents such as survey plans, procedures, survey records and forms * access to manufacturer’s operating instructions for specific equipment * use of workplace instructions or briefs] * access to specific animal welfare codes of practice * relationships: * team member, supervisor or key stakeholder.   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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