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 5.0. |
| Release 1 | This version released with AHC Agriculture, Horticulture and Conservation and Land Management Training Package Version 1.0. |

| AHCLPW405 | Supervise the monitoring of biodiversity |
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| Application | This unit of competency describes the skills and knowledge required to supervise a biodiversity monitoring program in a given area, and record and summarise findings.  The unit applies to individuals who work as natural area managers and seeking information on natural systems or areas. These individuals take limited responsibility in known or changing contexts within established guidelines.  No occupational licensing, legislative or certification requirements are known to apply to this unit at the time of publication. |
| Prerequisite Unit | Nil |
| Unit Sector | Lands, Parks and Wildlife (LPW) |

| Elements | Performance Criteria |
| --- | --- |
| Elements describe the essential outcomes. | Performance criteria describe the performance needed to demonstrate achievement of the element. |
| 1. Select monitoring techniques | 1.1 Select monitoring operations to obtain data required in monitoring plan  1.2 Assess range of likely operating conditions, hazards and difficult or sensitive environments for impact on monitoring  1.3 Consider alternative land, sea and air operations to collect data  1.4 Trial operations to test monitoring scheme for reliability, timeline and safety |
| 2. Select and test equipment and resources | 2.1 Obtain appropriate certificates, licenses and authorisations  2.2 Source resources required for monitoring  2.5 Test monitoring procedures in field conditions  2.6 Ensure equipment does not have lasting detrimental impacts on the environment  2.7 Develop procedures to capture, maintain, process and store data |
| 3. Supervise biodiversity monitoring | 3.1 Oversee observations according to monitoring plan  3.2 Coordinate recording, preparation and storage of data  3.3 Validate data collection and records are completed according to monitoring plan and workplace procedures |
| 4. Report on biodiversity monitoring | 4.1 Document and submit reporting requirements for certificates, licenses and authorisations  4.2 Examine records of monitored data for consistency and accuracy within requirements of the monitoring plan  4.4 Process data sets and produce a summary for reporting purposes  4.5 Compile and update data storage according to workplace procedures  4.6 Report on biodiversity monitoring program according to work[place procedures |

| 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 |
| [Skill] |  |
| [Skill] |  |
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| Unit Mapping Information | | | |
| Code and title current version | Code and title previous version | Comments | Equivalence status |
| AHCLPW405 Supervise the monitoring of biodiversity  Release 2 | AHCLPW405 Monitor biodiversity  Release 1 | Change to Title  Redesigned unit with changes to Elements and Performance Criteria  Redesigned Performance Evidence, Knowledge Evidence and Assessment Conditions | 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 AHCLPW405 Supervise the monitoring of biodiversity |
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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 on at least one occasion prepared and supervised a biodiversity monitoring program  There must be evidence that the individual has:   * selected monitoring operations and assessed conditions and data collection methods for a biodiversity monitoring program * selected and sourced equipment suitable for monitoring procedures * developed systems to capture, maintain and analyse data * supervised monitoring tasks and data collection for biodiversity * validated, processed and stored data according to workplace procedures * compiled data and reported on biodiversity monitoring. | |

| 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:   * ecosystems their structure and interactions within a region * the classification of flora and fauna, including: * plants * major groups of fungi * mammals * major groups of insects * monitoring systems for flora, fauna and microorganism populations * resource requirements for supervising a biodiversity program, including: * personnel * monitoring equipment * materials * scientific processes and procedures for monitoring biodiversity * data recording and data analysis techniques. |

| Assessment Conditions |
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| Assessment of skills must take place under the following conditions:   * physical conditions: * skills must be demonstrated in the field for a regional biodiversity monitoring program or an environment that accurately represents workplace conditions * resources, equipment and materials: * computer with data management and storage software * specifications: * use of specific workplace policies, procedures, processes and application forms required to administer biodiversity monitoring programs * access to legislation relevant to flora and fauna conservation and biodiversity * relationships: * team engaged in biodiversity monitoring   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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