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. |

| AHCBEK204 | Assemble and maintain beekeeping components |
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| Application | This unit of competency describes the skills and knowledge required to safely assemble and disassemble beehives, identify and repair damaged components, and treat hive components according to biosecurity and legislative requirements.  The unit applies to beekeepers who work under routine supervision. This includes identifying and providing solutions to a limited range of predictable problems.  State and Territory legislation, regulations and Local Government by-laws apply in some jurisdictions to beehive ownership and compliance with biosecurity codes of practice.  No other occupational licensing or certification requirements are known to apply to this unit at the time of publication. |
| Prerequisite Unit | Nil |
| Unit Sector | Beekeeping (BEK) |

| 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 assemble or repair hive components | 1.1 Confirm construction plans, hive components, other materials and equipment required for hive assembly, repair and treatment with supervisor  1.2 Check and inspect stored hive components for availability and suitability for use  1.3 Remove faulty components from store and replace, repair or discard  1.4 Identify health and safety hazards and take action according to workplace procedures  1.5 Select, ensure serviceability and use personal protective equipment |
| 2.Assemble or repair hive components | 2.1 Inspect hives to identify necessary repairs, scope of job, materials and tools required  2.2 Treat hive components where visual inspection or testing indicates presence of pests or diseases according to biosecurity procedures, product label and safety data sheets  2.3 Assemble or repair hive components according to workplace procedures  2.4 Apply preservation treatments to hive components appropriate for materials used according to product label and safety data sheets  2.5 Mark hive components with beekeeper identifier according to State or Territory legislation  2.6 Report problems or difficulties in completing work to required standards or timelines to supervisor  2.7 Maintain a clean and safe work site while working |
| 3.Clean up on completion of work | 3.1 Return, store or dispose of materials according to workplace waste management and biosecurity procedures  3.2 Clean, maintain and store equipment  3.3 Report work outcomes according to workplace 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 |
| Reading | * Interpret basic hive plans and specifcations * Interpret safety data sheets for treatments and preservatives used on hive components |
| Writing | * Completes workplace documentation using appropriate terminology and in required format |
| Numeracy | * Identifies and interprets numerical information and symbols, including quantity, date, time, temperature, area and volume found on plans and product specifications * Perform basic mathematical calculations required to interpret hive plans, including quantity, distance, area and volume |
| Navigate the world of work | * Recognise workplace expectations and follows explicit procedures, and seeks clarification when required |
| Get the work done | * Follow clearly defined instructions and sequencing, and monitors own progress for the task, seeks assistance when necessary |

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| Unit Mapping Information | | | |
| Code and title current version | Code and title previous version | Comments | Equivalence status |
| AHCBEK204 Assemble and maintain beekeeping components | AHCBEK204 Construct and repair beehives | Updated to meet Standards for Training Packages  Minor change to Title and Elements to reflect current industry terminology  Minor changes to Performance Criteria for clarity | 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 AHCBEK204 Assemble and maintain beekeeping components |
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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 assembled and maintained beekeeping components including:   * identified hive components for assembly and repair * identified materials, equipment and tools required for assembly work * checked components for biosecurity risk to the environment or apiculture products * constructed and repaired hive components according to workplace procedures, including correct selection and safe use of tools * applied biosecurity and preservation treatments according to product labels, safety data sheets and workplace procedures * marked hive components according to legislative requirements * cleaned and maintained and stored equipment and unused materials after completion of work * maintained workplace records and reporting procedures. | |

| 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:   * purpose, materials and properties of hive components * principles and techniques for construction, repair and preservation of hive components * tools and equipment used for assembly work, including * safe use * appropriate personal protection equipment * maintenance and storage * biosecurity issues with used hive components and treatments including: * pests and diseases and treatment options * sanitising new and used components * hive components preservation materials and techniques including: * plastic components * timber components * paints * chemical dips * wax dips * interpretation of chemical labels and safety data sheets for treatments and preservatives * legislative requirements for identifying hive ownership * mandatory and workplace record keeping systems. |

| Assessment Conditions |
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| Assessment of skills must take place under the following conditions:   * physical conditions: * skills must be demonstrated in an active apiary with live bees * resources, equipment and materials: * hand tools and equipment * new and used hive components * preservatives and treatments relevant to the type of materials used in the hive * use of appropriate personal protective equipment * specifications: * workplace documents such as instructions, procedures, records * manufacturer’s operating instructions for tools and equipment used in beehive construction, assembly and preservation. * product labels and safety data sheets for preservatives and treatments * access to specific legislation/codes of practice for hive identification and bee biosecurity * construction plans for hive component * relationships: * supervisor * timeframes: * according to the job requirements   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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