Modification history

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

| AHCPHT2018 | Operate vineyard equipment |
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| Application | This unit of competency describes the skills and knowledge required to operate a range of general vineyard equipment that does not require specialised calibration.  The unit applies to individuals who work under general supervision, with limited autonomy and accountability for their own work.  No occupational licensing, legislative or certification requirements apply to this unit at the time of publication.  All work must be carried out to comply with workplace procedures, in accordance with State/Territory work health and safety, and food safety regulations, legislation and standards that apply to the workplace. |
| Prerequisite Unit | Nil |
| Unit Sector | Production horticulture (PHT) |

| 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 equipment for operation | 1.1 Confirm work instructions and identify potential work health and safety (WHS) hazards and controls in accordance with workplace procedures  1.2 Select and use personal protective clothing and equipment relevant to the job role  1.3 Select and check equipment is ready for use in accordance with manufacturer’s instructions  1.4 Attach and set up equipment according to workplace instructions |
| 2. Operate equipment | 2.1 Start up equipment according to operator instructions  2.2 Operate equipment safely according to work health and safety procedures and operator instructions  2.3 Adjust operation of equipment to meet safety requirements of weather conditions and workplace terrain  2.4 Monitor equipment performance to confirm performance is maintained within specification  2.5 Identify, rectify or report out-of-specification equipment performance in accordance with workplace procedures |
| 3. Complete operation of equipment | 3.1 Shut down equipment according to operator instructions  3.2 Prepare equipment for cleaning and storage  3.3 Clean equipment according to environmental procedures using safe practices  3.4 Collect, treat and dispose of waste generated by both the activities and the cleaning procedure according to workplace procedures  3.5 Undertake work to comply with workplace environmental guidelines  3.6 Record workplace information 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 textual information from a variety of workplace documents accurately |
| Oral Communication | * Converse clearly using industry-specific language |
| Navigate the world of work | * Follow clear instructions within defined level of responsibility * Recognise own work performance and seek assistance where required |
| Get the work done | * Recognise and act on opportunities for continuous improvement in accordance with workplace practices * Respond to routine problems using step-by-step instructions and procedures |

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| Unit Mapping Information | | | |
| Code and title current version | Code and title previous version | Comments | Equivalence status |
| AHCPHT2018 Operate vineyard equipment | FDFWGG2018A Operate vineyard equipment | Updated to meet Standards for Training Packages  Code changed to reflect changed training package  Minor changes to performance criteria for clarity | Equivalent unit |

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| Links | Companion Volumes, including Implementation Guides, are available at VETNet: http://vetnet.education.gov.au/Pages/TrainingDocs.asp?q=78b15323-cd38-483e-aad7-1159b570a5c4 |

| TITLE | Assessment requirements for AHCPHT2018 Operate vineyard equipment |
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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 demonstrated the following on at least three separate occasions, each time with different vineyard equipment:   * following work health and safety procedures * using personal protective clothing and equipment when operating vineyard equipment * selecting and confirming availability of equipment, and preparing according to instructions * setting up equipment to meet operation requirements * starting up, operating and shutting down equipment safely and according to operation instructions and workplace activities * adjusting equipment operation to meet workplace conditions * taking corrective action in response to out-of-specification performance * sorting, collecting, treating and disposing of waste according to environmental and workplace procedures * maintaining records in accordance with workplace 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:   * work health and safety (WHS) hazards and controls in all operating conditions * selecting, fitting and using appropriate personal protective clothing and equipment * basic equipment used and operated in a vineyard environment * purpose, features and components of equipment: * all-terrain vehicles * tractor-mounted forklift * front-end loader * towed equipment (e.g. gondola) * three-point linkage equipment (e.g. discs) * power take-off driven equipment (e.g. slasher) * equipment with hydraulics (e.g. tipping trailer) * stationary equipment (e.g. pumps and generators) * selecting appropriate equipment for the task * confirming equipment status and condition, including: * fuel * water * oil (e.g. engine, gearbox and hydraulics) * belts * air intake * tyre pressure * metal fatigue or wear and tear * attaching equipment to towing vehicle * setting up and operating equipment to meet operating instructions: * prestart checks * starting up equipment * moving forward and reversing * operating in confined spaces * operating amongst other vineyard activities and a variety of conditions as required * recognising and monitoring equipment performance problems, and amending and reporting: * status and condition * handling and stopping ability * operating depth of equipment * blockages * ground speed or power take-off speed * width and coverage * environmental operating conditions * shutting down equipment in response to routine or emergency situations * vineyard process specifications, procedures and operating parameters * common causes of variation or malfunction and the corrective action required * required weather conditions for equipment operation * types of weather conditions for equipment operation: * dry * wet * slippery * boggy * icy * foggy * windy * day and night conditions * types of workplace terrain: * tracks * access roads * vineyard rows * open paddocks * flat, undulating, steep, hilly or terraced land * on- and off-road environments * significance and methods of monitoring equipment performance * recording requirements and procedures * procedures and responsibility for reporting problems and maintaining workplace records * environmental issues and controls * identifying, rectifying and reporting environmental non-compliance * cleaning requirements of equipment associated with changeovers and types of shutdown * cleaning procedures * storing equipment * collecting, treating and recycling or disposing of waste * routine maintenance procedures for equipment. |

| Assessment Conditions |
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| Assessment of skills must take place under the following conditions:   * physical conditions: * a workplace or simulated environment that accurately reflects performance in a real workplace setting * resources, equipment and materials: * appropriate personal protective clothing and equipment relevant to the equipment being used * vineyard equipment and associated attachments that do not require specialised calibration or operation * cleaning materials and equipment * specifications: * work procedures, including advice on company practices, safe work practices, quality and environmental requirements * legislative and local quarantine regulations and codes of practice * instructions, information, specifications and schedules * documentation and recording requirements and procedures.   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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