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 2.0. |
| Release 1 | This version released with AHC Agriculture, Horticulture and Conservation and Land Management Training Package Version 1.0 and meets the Standards for Training Packages 2012. |

| AHCMOM308 | Operate broadacre and row crop harvest machinery and equipment |
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| Application | This unit of competency describes the skills and knowledge required to operate harvest machinery and equipment required for broadacre and row crop harvesting in an agriculture/horticulture setting.  This unit applies to individuals who apply operating principles to broadacre or row crop harvesting machinery and equipment operation under broad direction, and take responsibility for their own work.  Vehicle must be operated according to relevant state/territory licensing authority vehicle licence requirements and regulations.  No occupational licensing, legislative or certification requirements apply to this unit at the time of publication. |
| Prerequisite Unit | Nil. |
| Unit Sector | Machinery operation and maintenance (MOM) |

| 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 broadacre and row crop harvesting machinery for use | 1.1 Confirm activity to be undertaken, including identifying potential hazards and implementation of safe working procedures  1.2 Read relevant harvesting machinery and equipment operation and maintenance manual and interpret manufacturer instructions  1.3 Select, correctly fit, use and maintain personal protective clothing and equipment  1.4 Conduct harvest machinery and equipment routine pre-operational checks  1.5 Replace and report damaged or worn components  1.6 Attach ancillary equipment and check for correct operation |
| 2.Operate broadacre and row crop machinery and equipment | 2.1 Carry out pre start, and start up procedures  2.2 Operate harvest machinery and equipment in a safe, controlled and efficient manner and monitor for performance and efficiency  2.3 Operate harvest machinery according to operation and maintenance manual, manufacturer specifications, task requirements and conditions  2.4 Continually monitor hazards and risks, and ensure safety of self, other personnel, plant, equipment and the environment and implement minimisation strategies |
| 3.Complete work | 3.1 Conduct shut down procedures  3.2 Perform routine operational servicing and minor maintenance  3.3 Identify and report malfunctions, faults, irregular performance or damage  3.4 Clean, store and secure harvest machinery and equipment  3.5 Remove and store keys  3.6 Identify environmental and biosecurity implications associated with harvesting, minimise impact and report to the supervisor  3.7 Maintain harvest machinery use records |

| 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 range of sources to identify relevant and key information about workplace operations |
| Writing | * Document harvest machinery use |
| Oral communication | * Use clear language to report malfunctions, faults, irregular performance or damage * Participate in verbal exchanges to respond to questions and clarify information |
| Numeracy | * Calculate quantities of vehicle fluids including fuel * Identify correct tyre pressure or track tension |
| Navigate the world of work | * Recognise and follow workplace requirements, including safety requirements, associated with own role and area of responsibility |

| Range Of Conditions  This section specifies different work environments and conditions that may affect performance. Essential operating conditions that may be present (depending on the work situation, needs of the candidate, accessibility of the item, and local industry and regional contexts) are included. | |
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| Personal protective clothing and equipment must include: | * enclosed shoes * safety equipment and personal protective clothing and equipment applicable to the task being undertaken. |
| Pre operational checks must include: | * maintenance interval schedule daily check * machine damage and serviceability * checking for missing parts * fluid leaks and levels * fuel level * brakes and clutch operation * condition of tyres or tracks * machine controls. |
| Biosecurity implications must include: | * control of cross-site contamination. |

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| Unit Mapping Information | | | |
| Code and title current version | Code and title previous version | Comments | Equivalence status |
| AHCMOM308 Operate broadacre and row crop harvest machinery and equipment | AHCMOM308A Operate broadacre and row crop harvest machinery and equipment | This unit is equivalent to AHCMOM308A Operate broadacre and row crop harvest machinery and equipment. Minor changes to performance criteria, foundation skills and range of conditions. | Equivalent |

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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 AHCMOM308 Operate broadacre and row crop harvest machinery and 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, on at least one occasion, the individual has operated agricultural or horticultural broadacre or row crop harvesting machinery and equipment and has:   * identified hazards and implemented safe operating procedures * carried out harvest machinery and equipment pre-operational checks according to operation and maintenance manual * performed minor maintenance * recognised and reported defects * attached and detached ancillary equipment * operated harvest machinery and equipment according to operation and maintenance manual, manufacturer specifications, task requirements and conditions * minimised environmental impacts associated with harvest machinery and equipment operation * followed industry and workplace biosecurity 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:   * hazards and risks associated with harvest machinery and equipment operations * harvest machinery and equipment components, controls, features, technical capabilities and limitations * manufacturer requirements and workplace requirements for: * pre-operational checks * machinery operation techniques * operator level servicing * shutdown * emergency procedures * relevant legislation with regard to harvest machinery operation and licensing requirements * environmental impacts associated with operating machinery and equipment used for harvesting * workplace procedures applicable to work health and safety requirements and harvest machinery and equipment operation * industry and workplace biosecurity procedures. |

| Assessment Conditions |
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| Assessment of skills must take place under the following conditions:   * physical conditions: * a workplace setting or an environment that accurately represents workplace conditions * in a range of weather and surface conditions * individual must not be under the influence of alcohol or drugs * individual must not be taking any medication (prescribed or otherwise) that may impair judgement * individual must not be in a fatigued state when operating harvest machinery * resources, equipment and materials: * harvest machinery and equipment * broadacre or row crop * safety equipment and personal protective clothing and equipment applicable to the task being undertaken * specifications: * harvest machinery and equipment operation and maintenance manuals * industry and workplace biosecurity procedures applicable to broadacre and row crop harvesting * legislation relevant to harvest machinery operation and licensing requirements * relationships: * supervisors * 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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