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. |

| AHCMOM203 | Operate basic machinery and equipment |
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| Application | This unit of competency describes the skills and knowledge required to operate and maintain machinery and equipment.  This unit does not apply to chainsaws, lawnmowers, tractors, vehicles, earth moving equipment.  All work must be carried out to comply with workplace procedures, work health and safety requirements, manufacturer specifications, sustainability practices and any local, state and federal government regulations, legislation and codes of practice.  This unit applies to individuals who work under broad direction and take responsibility for their own work. They use discretion and judgement in the selection and use of available resources.  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 basic machinery and equipment for use | 1.1 Confirm activity to be undertaken, including identifying and reporting potential hazards and implementation of safe working procedures  1.2 Read relevant basic machinery and equipment operation and maintenance manual and observe manufacturer instructions  1.3 Select, correctly fit, use and maintain personal protective equipment  1.4 Assess the work site and confirm the suitability of the machinery and equipment for the task  1.5 Conduct routine pre operational checks  1.6 Replace and report damaged or worn components  1.7 Observe safety rules and regulations, including site rules and legislation and site specific instructions |
| 2.Operate basic machinery and equipment | 2.1 Operate machinery and equipment safely  2.2 Continually monitor hazards and risks, and ensure safety of self, other personnel, plant and equipment  2.3 Complete work to supervisor satisfaction |
| 3.Check, clean and store basic machinery and equipment | 3.1 Conduct shut-down procedures  3.2 Perform routine operational servicing and minor maintenance according to operation and maintenance manual  3.3 Identify and report malfunctions, faults, irregular performance or damage  3.4 Clean, secure and store machinery and equipment  3.5 Maintain machinery and equipment 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 machinery and equipment 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 machinery fluids including oil and fuel |
| 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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| Basic machinery and equipment must include at least one of the following: | * conveyors and pumps used in agriculture, horticulture and land management * hedge trimmers * lawn edgers * line cutters * mechanised horticultural tillage equipment * motorised machinery used in landscape and turf construction projects * motorised machinery used in nursery production * pneumatic pruners and cutters * power tools. |
| Pre operational checks must include: | * machinery and equipment damage and serviceability * engine oil * fuel * machinery and equipment controls * reporting and tagging defects. |
| Personal protective  equipment must include: | * enclosed shoes * safety equipment and personal protective clothing and equipment applicable to the machinery and equipment being used and the task being undertaken. |

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| Unit Mapping Information | | | |
| Code and title current version | Code and title previous version | Comments | Equivalence status |
| AHCMOM203 Operate basic machinery and equipment | AHCMOM203A Operate basic machinery and equipment | This unit is equivalent to AHCMOM203A Operate basic 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 AHCMOM203 Operate basic 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:   * identified and reported hazards and implemented safe operating procedures * carried out basic machinery and equipment pre-operational checks including basic servicing and maintenance according to operation and maintenance manual * operated basic machinery and equipment in a safe and controlled manner consistent with operation and maintenance manual and manufacturer specifications * carried out shut-down and storage procedures * minimised environmental impacts associated with basic machinery and equipment operation * followed work health and safety procedures * 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 basic machinery and equipment operation * pre-operational and safety checks for basic machinery and equipment * operating principles and operating methods for basic machinery and equipment * procedures for cleaning, securing and storing basic machinery and equipment * risks associated with the operation of machinery and equipment in different weather conditions and difficult terrain conditions * duty of care to self, others and the environment * work health and safety requirements to operate basic machinery and equipment safely * 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 * 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 the machinery * resources, equipment and materials: * a range of basic machinery and equipment * enclosed toe shoes * safety equipment and personal protective clothing and equipment applicable to the machinery and equipment being used and the task being undertaken * specifications: * basic machinery and equipment operation and maintenance manuals * industry and workplace biosecurity procedures applicable to basic machinery and equipment operation * relationships: * team members/supervisors or realistic scenarios or role plays * 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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