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. |

| AHCMOM307 | Operate a cane harvester |
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| Application | This unit of competency describes the skills and knowledge required to prepare and operate a cane harvester in the sugar cane production industry.  All work must be carried out to comply with workplace procedures, workplace health and safety requirements manufacturer specifications and sustainability practices.  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.  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 to work | 1.1 Confirm activity to be undertaken, including identifying potential hazards and implementation of safe working procedures  1.2 Read relevant cane harvester operation and maintenance manual and observe manufacturer instructions  1.3 Select, correctly fit, use and maintain personal protective clothing and equipment  1.4 Conduct cane harvester routine pre operational checks  1.5 Replace and report damaged or worn components  1.6 Conduct cabin drill according to workplace procedures  1.7 Locate and select crop class, variety and field for harvest |
| 2.Carry out cane harvesting | 2.1 Carry out pre-start, and start-up procedures  2.2 Set and operate cane harvester in a safe, controlled and correct manner and monitor for performance and efficiency  2.3 Operate cane harvester in co-ordination with cane haulage vehicles and other associated harvesting equipment  2.4 Harvest cane in a productive, safe and controlled manner and consign correctly  2.5 Continually monitor hazards and risks, and ensure safety of self, other personnel, plant, equipment and the environment and implement minimisation strategies |
| 3.Complete cane harvesting operations | 3.1 Park cane harvester and 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 and sterilise cane harvester to prevent cross site contamination  3.5 Store and secure cane harvester  3.6 Remove and store keys  3.7 Identify environmental and biosecurity implications associated with cane harvesting minimise impact and report to the supervisor  3.8 Maintain cane harvester 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 cane harvester 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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| Cane harvester must include at least one of the following: | * track cane harvester * half-track cane harvester * wheel cane harvester * double row cane harvester. |
| Personal protective clothing and equipment must include: | * enclosed toe 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 |
| AHCMOM307 Operate a cane harvester | AHCMOM307A Operate a cane harvester | This unit is equivalent to AHCMOM307A Operate a cane harvester. 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 AHCMOM307 Operate a cane harvester |
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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 hazards and implemented safe operating procedures * operated a variety of cane harvesters * carried out cane harvester pre operational checks according to operation and maintenance manual * checked cane harvester equipment prior to use * set and operated a cane harvester in a safe, controlled and correct manner and monitored for performance and efficiency * operated cane harvester consistent with operation and maintenance manual and manufacturer specifications * recognised and reported defects * familiarised self with local conditions * communicated and co-operated with other personnel such as haul-out drivers * controlled cane spillage * cleaned and sterilised the harvester to prevent cross site contamination * carried out cane harvester shut-down procedures * minimised environmental impacts associated with cane harvester operation * followed workplace 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 cane harvester operations * cane harvester and site safety requirements * cane harvester components, controls, features, technical capabilities and limitations * operating principles and operating methods for cane harvesters * cane harvester processes and spillage minimisation techniques * harvest and haulage processes as they relate to collection and haulage of harvests * principles of the safe removal of obstacles from harvesters and adjustment of harvester settings * duty of care to self, others and the environment * relevant legislation with regard to cane harvester operation and licensing requirements * workplace health and safety requirements to operate a cane harvester 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 * in a range of weather and surface conditions and on a range of different terrains * 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 cane harvester * resources, equipment and materials: * cane harvester * cane * safety equipment and personal protective clothing and equipment applicable to the task being undertaken * specifications: * cane harvester operation and maintenance manuals * industry and workplace biosecurity procedures applicable to cane harvesting * legislation relevant to cane harvester operation and licensing requirements * 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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