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 6.0. |
| Release 1 | This version released with AHC Agriculture, Horticulture and Conservation and Land Management Training Package Version 1.0. |

| AHCSAW302 | Implement erosion and sediment control measures |
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| Application | This unit of competency describes the skills and knowledge required to construct, install and maintain a range of measures specified on erosion and sediment control plans.  The unit applies to individuals who work under broad direction and take responsibility for their own work including limited responsibility for the work of others. They use discretion and judgement in the selection, allocation and use of available resources and for solving problems.  No licensing, legislative or certification requirements are known to apply to this unit at the time of publication. |
| Prerequisite Unit | Nil |
| Unit Sector | Soil and Water Conservation (SAW) |

| 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 for implementation and construction | 1.1 Confirm erosion and sediment control site and work requirements with maps, plans and specifications  1.2 Identify and locate worksite and surveyed work according to maps and site plans  1.3 Select check and prepare machinery and equipment required for erosion and sediment control work  1.4 Verify the suitability of equipment and attachments for terrain and control works  1.5 Identify hazards, assess risks and implement controls according to workplace health and safety and environmental procedures  1.6 Select, check and use personal protective equipment  1.7 Select materials required for proposed works according to plans and specifications |
| 2. Carry out implementation and construction | 2.1 Coordinate work sequence with work team according to planned works  2.2 Operate tools and equipment safely using techniques suitable for terrain, site conditions and other operators and site worker safety  2.3 Construct erosion and sediment control earthworks according to specifications |
| 3. Carry out repairs and maintenance procedures | 3.1 Monitor site operations and identify and resolve performance issues according to workplace procedures  3.2 Clean, maintain and store machinery, tools and equipment according to environmental and biosecurity procedures  3.5 Maintain records 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 construction plans and specifications for erosion control works and consolidate information to determine equipment required, methods and location of works and the tolerances required |
| Numeracy | * Make measurements and perform calculations to check site layout against plans for erosion and sediment control works * Make basic volumetric calculations for measuring and estimating materials during construction works |

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| Unit Mapping Information | | | |
| Code and title current version | Code and title previous version | Comments | Equivalence status |
| AHCSAW302 Implement erosion and sediment control measures  Release 2 | AHCSAW302 Implement erosion and sediment control measures  Release 1 | Changes to Application and Performance Criteria for clarity  Updated Performance Evidence, Knowledge Evidence and Assessment Conditions | 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 AHCSAW302 Implement erosion and sediment control measures |
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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 conducted erosion and sediment control activities on at least one conservation worksite and has constructed, installed and maintained at least 3 erosion and sediment control measures.  There must also be evidence that the individual has:   * identified hazards, assessed risk and implemented controls * read and followed plans to for construction work and site construction layout * implemented site and equipment repairs and maintenance according to workplace procedures * selected and operated tools and equipment according to safe work practices and manufacturer instructions * cleaned, maintained and stored equipment, machinery and tools according to workplace and 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:   * construction and site plan types, reading and interpretation * erosion and sediment control methods and construction techniques * materials cartage pollution control * operational planning skills to sequence and schedule the timing/duration of work * work health and safety issues relating to erosion and sediment control works, including: * equipment * site specific risks * personal protective equipment * sun protection * type and operation of machinery and equipment used for erosion and sediment control, including: * safety checks * site access and operational restrictions * maintenance * environmental protection from fuels, and oils * impact of tools and machinery on biosecurity * materials suitable for constructing erosion and sediment control measures and where to source them on site * limitations of structures, including: * timing of maintenance * structure life cycle * specifications and standards for construction. |

| Assessment Conditions |
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| Assessment of skills must take place under the following conditions:   * physical conditions: * skills must be demonstrated on a conservation worksite or an environment that accurately represents workplace conditions] * resources, equipment and materials: * tools equipment and materials for installing specified erosion and sediment controls * use of personal protective equipment] * specifications: * use of workplace policies, procedures, processes for safety, biosecurity and environmental safety * use of manufacturer’s operating instructions for specific equipment and machinery * use of workplace instructions and plans * relationships: * supervisor.   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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