Modification history

|  |  |
| --- | --- |
| Release | Comments |
| Release 1 | This version released with Agriculture Horticulture and Conservation and Land Management Training Package 4.0. |

| AHCCFP4X1 | Prepare to comply with measuring and modelling requirements of carbon farming methods |
| --- | --- |
| Application | This unit of competency describes the skills and knowledge required use measuring and modelling methods, required to comply with the reporting guidelines for land-based carbon farming projects. It covers the requirement to collect project data and information requirements.  The unit applies to farmers and land managers who aim to earn carbon credits by storing carbon or reducing greenhouse gas emissions. To be eligible, projects must comply with a project methodology (or method) approved for use under the carbon program or fund.  No occupational licensing, legislative or certification requirements apply to this unit at the time of publication. |
| Prerequisite unit | Nil |
| Unit sector | Carbon Farming |

| Elements | Performance Criteria |
| --- | --- |
| Elements describe the essential outcomes. | Performance criteria describe the performance needed to demonstrate achievement of the element. |
| 1. Determine compliance obligations of carbon farming method | 1.1 Identify carbon farming method  1.2 Access compliance requirements of method  1.3 Interpret requirements of method and prepare to meet requirements |
| 2. Establish project area | 2.1 Determine requirement for collection and reporting of geographic information, specific to method and guidelines  2.2 Use geospatial data to define project area  2.3 Define activity areas including exclusions areas, as required by the method |
| 3. Collect and input data | 3.1 Identify data collection procedure associated with method  3.2 Collect data  3.3 Input and save data as specified by method or technical guidance documentation |
| 4. Analyse data | 4.1 Calculate carbon abatement or storage for reporting period  4.2 Generate report on carbon abatement or storage using approved tool or procedure  4.3 Submit report to the carbon market regulator  4.4 Follow regulator procedures to receive carbon credits |
| 5. Comply with audit requirements | 5.1 Ensure records are secure and backed-up  5.2 Ascertain audit requirements of method  5.3 Choose an approved auditor  5.4 Participate in audit process in line with auditor's directions |

| 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. | |
| --- | --- |
| Skill | Description |
| Learning | * Research and manage complex information |
| Reading | * Interpret documentation from a variety of sources |
| Numeracy | * Read and interpret data in maps, tables, charts and/or graphs |

|  |  |  |  |
| --- | --- | --- | --- |
| Unit mapping information | | | |
| Code and title current version | Code and title previous version | Comments | Equivalence status |
| AHCCFP4X1 Prepare to comply with measuring and modelling requirements of carbon farming method |  | New unit | No equivalent unit |

|  |  |
| --- | --- |
| Links | Companion Volumes, including Implementation Guides, are available at VETNet at: https://vetnet.education.gov.au/Pages/TrainingDocs.aspx?q=c6399549-9c62-4a5e-bf1a-524b2322cf72 |

| TITLE | Assessment requirements for AHCCFP4X1 Prepare to comply with measuring and modelling requirements of carbon farming method |
| --- | --- |
| 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 prepared to comply with the measuring and modelling requirements of one approved, carbon farming method, including:   * established the project area utilising geospatial data * collected, inputted and analysed carbon data * followed approved carbon farming method procedures. | |

| Knowledge Evidence |
| --- |
| 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:   * relevant carbon farming legislation, rules, method, technical guidance documentation and related procedures * sources of geospatial data: * Global Positioning Systems (GPS) and Global Navigation Satellite System (GNSS) * field surveys and sampling * orthorectified aerial photographs * orthorectified satellite imagery * cadastral database * publicly available datasets * criteria used to assess fitness for purpose of datasets * approved methods to reduce emissions or increase carbon storage * formats used to report to the regulator. |

| Assessment Conditions |
| --- |
| Assessment of skills must take place under the following conditions:   * resources: * GPS tools, approved modelling tools and calculators * specifications: * access to legislation, regulations and information about carbon farming methods and markets.   Assessors of this unit must satisfy the requirements for assessors in applicable vocational education and training legislation, frameworks and/or standards. |

|  |  |
| --- | --- |
| Links | Companion Volumes, including Implementation Guides, are available at VETNet at: <https://vetnet.education.gov.au/Pages/TrainingDocs.aspx?q=c6399549-9c62-4a5e-bf1a-524b2322cf72>. |