Modification history

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

| AHCGRIXX3 | Maintain roof gardens, vertical gardens and green facades |
| --- | --- |
| Application | This unit of competency describes the skills and knowledge required to carry out maintenance work on green infrastructure.  The unit applies to individuals who carry out maintenance on roof gardens, vertical gardens and green facades.  This unit of competency is suitable for individuals using their own judgment to deal with predictable and unpredictable problems and decide on solutions to a range of complex problems during the maintenance process.  No licensing, legislative or certification requirements apply to this unit at the time of publication. |
| Prerequisite Unit | Nil |
| Unit Sector | Green Infrastructure (GRI) |

| Elements | Performance Criteria |
| --- | --- |
| Elements describe the essential outcomes. | Performance criteria describe the performance needed to demonstrate achievement of the element. |
| 1. Plan maintenance | 1.1 Read maintenance plan and records, determine maintenance objectives and schedule appropriate work  1.2 Check sensors and review data for anomalies, if applicable  1.3 Follow organisational processes, practices and procedures  1.4 Identify hazards and implement controls following workplace safety and environmental requirements, including planning safe access to maintenance areas for persons, materials and equipment  1.5 Determine job priorities and sequence job tasks in consultation with others on site  1.6 Identify, calculate and order materials and products for the task |
| 2. Carry out maintenance | 2.1 Select, fit and use personal protective equipment (PPE) appropriate for the task  2.2 Select and check plant, equipment and tools for serviceability and rectify and report faults  2.3 Identify and remove weeds  2.4 Remove decaying vegetation, clean up stagnant water and adjust the pace of irrigation system, if required  2.5 Prune or remove vegetation to encourage growth and minimise the risk of fire  2.6 Identify pests and diseases and apply appropriate method of eliminating or controlling according to workplace and environmental requirements  2.7 Clear drainage areas and outlets and inspect and report on roof or building surface penetrations or pooling water  2.8 Evaluate condition of soil or growing media, top up and add ameliorates or additives, if required |
| 3. Record maintenance activities | 3.1 Record plant health, burrows and nests, pest infestation and droppings  3.2 Record condition and volume of soil or growing media  3.3 Record maintenance activity undertaken and schedule next required maintenance activity |
| 4. Clean up | 4.1 Clear the work area, and dispose of, reuse or recycle materials following workplace and environmental requirements  4.2 Clean tools and equipment, check for serviceability and report damage or faults  4.3 Store and secure tools and equipment following 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. | |
| --- | --- |
| Skill | Description |
| Oral communication | * Interact and collaborate effectively with others, including using communication tools and devices |
| Reading | * Interpret and follow maintenance schedules, product information and manufacturer specifications * Research and read climate and weather conditions |
| Writing | * Complete maintenance documentation accurately and legibly * Develop relevant documentation and record information using digital technologies |

|  |  |  |  |
| --- | --- | --- | --- |
| Unit Mapping Information | | | |
| Code and title current version | Code and title previous version | Comments | Equivalence status |
| AHCGRIXX3 Maintain roof gardens, vertical gardens and green facades | Not applicable | New unit | No equivalent unit |

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

| TITLE | Assessment requirements for AHCGRIXX3 Maintain roof gardens, vertical gardens and green facades |
| --- | --- |
| 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 maintained one roof garden with a minimum area of 50 square metres, one vertical garden with a minimum of 20 square metres and one green facade with a minimum of 20 square metres and:   * conducted scheduled interval visual inspection of the infrastructure, systems and plants * carried out seasonal pruning * evaluated soil or growing media condition and adjusted as required * disposed of vegetation and waste according to workplace and environmental requirements * maintained climate and weather records or charts of the local environment. | |

| 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:   * maintenance requirements of green infrastructure * site analysis: * climatic factors – wind, temperature, solar radiation and rainfall * irrigation * drainage * infrastructure decay or damage * terminology of green infrastructure maintenance * plant maintenance and cultural requirements of plants: * feeding and watering * weeding and trimming * soil or growing media maintenance: * ameliorants and additives * features, benefits and characteristics of green infrastructure * current and relevant work health and safety and environmental requirements * organisational policies and procedures * functional and operational features of plant, equipment, hand and power tools: * elevated work platform * power tools * battery operated tools * workplace safety: * hierarchy of control * working at heights * falling objects * personal protective equipment (PPE) * hazardous manual labour * hazardous materials * worker and public safety * high-risk work * traffic management * causes and controls of fire hazards in green infrastructure. |

| Assessment Conditions |
| --- |
| Assessment of skills must take place under the following conditions:   * physical conditions: * skills must be demonstrated in green infrastructure workplace or an environment that accurately represents workplace conditions * resources, equipment and materials: * tools and equipment appropriate for carrying out horticultural maintenance work * PPE * specifications: * specific organisational policies, procedures and processes * green infrastructure maintenance schedule/checklist * work health and safety and environmental documentations * relationships: * clients to discuss green infrastructure design requirements.   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:  https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=c6399549-9c62-4a5e-bf1a-524b2322cf72 |