

Modification history

| Release | Comments |
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| Release 2 | This version released with AHC Agriculture, Horticulture, Conservation and Land Management Training Package Version 4.0. |
| Release 1 | This version released with AHC Agriculture, Horticulture, Conservation and Land Management Training Package Version 1.0. |

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| AHCTRF502 | Manage sports turf renovation programs |
| Application | <p>This unit of competency describes the skills and knowledge required to assess a sports turf surface and develop programs and procedures to implement renovation activities appropriate to the sport and sporting regulations.</p> <p>It applies to individuals who are responsible for the management of turf renovation programs who analyse information and exercise judgement to complete a range of advanced skilled activities and demonstrate deep knowledge in a specific technical area. They have accountability for the work of others and analyse, design and communicate solutions to a range of complex problems.</p> <p>No occupational licensing, legislative or certification requirements are known to apply to this unit at the time of publication.</p> |
| Prerequisite Unit | Nil |
| Unit Sector | Turf (TRF) |

| Elements | Performance Criteria |
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| <i>Elements describe the essential outcomes.</i> | <i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i> |
| 1. Assess the turf renovation site | 1.1 Inspect and assess turf surface condition for the renovation site 1.2 Implement soil physical and chemical tests to determine soil condition and determine corrective action according to industry and workplace standards 1.3 Implement water quality tests to determine its effect on turf growth and development according to workplace and industry standards 1.4 Assess sward cover and identify over sowing requirements and turf grass species/varieties required according to workplace and industry standards 1.5 Identify work health, safety and environmental hazards, assess risks and specify controls for incorporation in plan according to workplace procedures |
| 2. Select renovation technique for sports turf site | 2.1 Investigate and evaluate renovation techniques and practices using historical and current data 2.2 Review renovation records to inform planned works, practices and timing 2.3 Determine turf renovation technique for current condition of turf and intended outcome of the program 2.4 Establish the timing of the renovation program according to turf species cultural requirements, renovation technique, weather conditions and sport turf usage 2.5 Produce a financial budget for turf renovation activity according to workplace procedures 2.6 Prepare a turf maintenance program for post renovation recovery 2.7 Document a the turf renovation program according to workplace procedures |

| Elements | Performance Criteria |
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| <i>Elements describe the essential outcomes.</i> | <i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i> |
| 3. Organise staff and resources for turf renovation project | 3.1 Determine machinery and equipment for the renovation program and check for availability, working condition and settings and adjustments for sports turf renovation 3.2 Calculate and order consumables required according to workplace procedures 3.3 Liaise with contractors and machinery hire firms and arrange contracts according to program requirements and workplace procedures 3.4 Determine team and contractor work requirements and specify sequence and timing of the renovation project |
| 4. Review renovation outcomes and complete associated record keeping | 4.1 Update records for soil condition and water quality tests according to workplace procedures 4.2 Update financial records with direct and indirect costs and review against budget according to workplace financial accounting standards 4.3 Record and report renovation practices and outcomes according to workplace procedures 4.4 Review actual against planned renovation activities and recommend improvements for future renovation work according to workplace procedures |

| Foundation Skills | |
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| <i>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.</i> | |
| Skill | Description |
| Reading | <ul style="list-style-type: none"> Interpret sporting rules and regulations to identify and synthesise information that is critical to the development of sports turf renovation programs |
| Writing | <ul style="list-style-type: none"> Generate written renovation programs, demonstrating control over a range of writing styles and purpose |
| Oral communication | <ul style="list-style-type: none"> |
| Numeracy | <ul style="list-style-type: none"> Analyses and synthesises mathematical information from a broad range of tasks and texts to develop schedules and specifications |

| Unit Mapping Information | | | |
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| Code and title current version | Code and title previous version | Comments | Equivalence status |
| AHCTRF502 Manage sports turf renovation programs | AHCTRF502 Manage sports turf renovation programs | Minor changes to Elements and Performance Criteria for clarity Updated Performance Evidence and Knowledge Evidence | Equivalent unit |

| Links | |
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| | 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 AHCTRF502 Manage sports turf renovation programs |
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| Performance Evidence | |
| <p>An individual demonstrating competency must satisfy all of the elements and performance criteria in this unit.</p> <p>There must be evidence that the individual has prepared a renovation management program for at least three of the following turf surfaces:</p> <ul style="list-style-type: none"> • a single hole for golf course including tee and surrounds, rough, fairways and green • bowling green • cricket including renovation of wicket surface and outfield • ball sport (football, soccer or rugby) • horse race track • one other sport turf surface selected from: <ul style="list-style-type: none"> • lawn tennis • lacrosse • hockey • polo • croquet. <p>There must also be evidence that the individual has:</p> <ul style="list-style-type: none"> • inspected, implemented tests and assessed the turf renovation site for turf condition, soil properties, and water quality • reviewed historical records and practices and determined a turf renovation technique for current conditions and outcomes • identified work health, safety and environmental hazards, assess risks and identified control measure to include in plan • documented a turf renovation plan and schedule of works according to workplace procedures • produced and reviewed a costing budget for the project • determined availability and operational status of machinery and equipment and specified settings and adjustments • identified and liaised with team and contractor for expected works • prepared a schedule of works according to workplace procedures • calculated materials and ordered goods, services and contractors required for the renovation according to workplace finance procedures • prepared a post renovation turf recovery maintenance program • updated records and reported outcomes for renovation program • reviewed program outcomes against plan and recommended future adjustments. | |
| Knowledge Evidence | |
| <p>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:</p> <ul style="list-style-type: none"> • comparative health, safety and environmental implications of renovation activities, turf and soil treatments and waste disposal procedures/issues and legislation • enterprise and industry standards for turf surface appearance and quality • field measurement techniques including infiltration rate, organic fines, hardness, traction, surface smoothness • impact of climatic conditions, soil temperature and moisture on turf recovery • planting, care and renovation scheduling requirements of turf grass species and cultivars • requirements of the turf's intended use including intensity and scheduling • soil physical and chemical properties for imported and existing soils • specialist turf renovation principles and practices <ul style="list-style-type: none"> • aeration • thatch removal • topdressing/dusting • over sowing • application of soil ameliorants • removal of over sown species • turf nutrition and plant growth regulators | |

| Knowledge Evidence |
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| <ul style="list-style-type: none"> • scheduling and program management and the use of time management tools (e.g. gantt charts) • developing and managing budgets including: <ul style="list-style-type: none"> • direct costs (e.g. contractors, materials and consumables) • indirect costs (e.g. labour, administration, services) • fixed or variable costs • report writing and correct referencing • enterprise, national and international industry standards for sports turf surfaces, appearance, performance and quality • safe work practices and procedures applicable to renovation planned activities including: <ul style="list-style-type: none"> • safe materials handling • equipment and operation • public and turf area users • methods and purpose of field measurement tests to be performed including: <ul style="list-style-type: none"> • infiltration rate • organic fines • hardness • traction • surface smoothness • turf sward height • identification and cultural requirements of turf grass species and cultivars including: <ul style="list-style-type: none"> • planting/ • propagating • care and maintenance • renovation scheduling requirements • specialist turf renovation practices to achieve high performance turf <ul style="list-style-type: none"> • dethatching • top dressing • aerating and • de-compaction • over sowing • fertilising and soil conditioning • adjusting drainage and water holding • establishing and estimating resource and material requirements for turf grass renovation program including <ul style="list-style-type: none"> • financial and budgetary constraints • consumables (fertilisers, ameliorants, chemicals) • labour and contractor requirements and scheduling • equipment and machinery used in turf renovation including: <ul style="list-style-type: none"> • log books and operation status • adjustments and settings (tyne/blade types, depths, spacing's) • types of equipment and their purpose • effective and safe use of tools and machinery • need a short list of common renovation tools and equipment • influences on the selection of tools, machinery and safety equipment • common pre and post operational checks of equipment • managing staff and working with contractors including: <ul style="list-style-type: none"> • communicating with staff • organising and directing labour • preparation of renovation plans, recording and reporting renovation activities. |
| Assessment Conditions |
| <p>Assessment of skills must take place under the following conditions:</p> <ul style="list-style-type: none"> • physical conditions: |

| Assessment Conditions | |
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| <ul style="list-style-type: none">• skills must be demonstrated in a sports turf facility or an environment that accurately represents workplace conditions with access to at least three sites suitable for sports turf surface renovation stipulated in the performance evidence• resources, equipment and materials:<ul style="list-style-type: none">• computer software for documenting plans and preparing schedules• reports, results and testing equipment for soil and plant tissue• specifications:<ul style="list-style-type: none">• workplace procedures and site plans for sports turf renovation• local, national and international standards for sports turf grass conditions• relationships<ul style="list-style-type: none">• work team and contractor. <p>Assessors of this unit must satisfy the requirements for assessors in applicable vocational education and training legislation, frameworks and/or standards.</p> | |
| Links | Companion Volumes, including Implementation Guides, are available at VETNet: https://vetnet.education.gov.au/Pages/TrainingDocs.aspx?q=c6399549-9c62-4a5e-bf1a-524b2322cf72 |