

Modification history

Release	Comments
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.

AHCTRF402	Plan and implement sports turf renovation
Application	<p>This unit of competency describes the skills and knowledge required to plan and implement sports turf renovation activities which involves the preparation of procedures, scheduling and coordination of staff, and monitoring and reviewing financial and renovation performance.</p> <p>The unit applies to greenkeepers and turf managers that use specialist skills to plan, coordinate and supervise the work of others within known parameters. They use discretion and judgment in the selection, allocation and use of available resources.</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
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
1. Prepare the turf renovation program	1.1 Assess existing turf site design plans and documentation to establish purpose of turf surface to be renovated 1.2 Locate, measure, conduct and record field tests according to workplace and industry standards and practices 1.3 Assess measurements and test results against purpose and identify scope of renovations required 1.4 Identify and select materials and resources required for the identified renovation requirements 1.5 Identify work health, safety and environmental hazards, assess risks and identify controls according to workplace procedures 1.6 Develop a renovation program containing site assessment report, results of field measurements and tests, risk controls, and material and resource requirements 1.7 Develop and document a schedule of works and specifications for renovation program
2. Prepare renovation equipment	2.1 Review machinery maintenance logs to verify operational status for renovation activities according to renovation program 2.2 Conduct pre-operational and safety checks of tools, equipment and machinery according to workplace procedures and manufacturer instructions
3. Implement the renovation program	3.1 Select and coordinate work team and contractor work in a sequential, timely and effective manner 3.2 Organise and direct work according to the renovation schedule of works 3.3 Monitor renovation tasks against performance targets and undertake remedial action where non-compliant 3.4 Monitor work activities to maintain a clean and safe work environment for renovation according to workplace procedures

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
4. Complete renovation activities	4.1 Reconcile completed works against renovation plan objectives 4.2 Inspect equipment and machinery for operational status and implement repairs according to workplace procedures 4.3 Record expenses and review against budget according to workplace financial procedures 4.4 Record and report turf renovation outcomes against planned objectives according to workplace requirements

Foundation Skills	
<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"> Critically analyses designs, test results and other documentation for sports turf renovation and consolidates information to into plans and reports
Writing	<ul style="list-style-type: none"> Develops plans, procedures and schedules for staff and key stakeholders using clear language in order to convey explicit information, requirements and recommendations for the renovation of sports turf
Oral communication	<ul style="list-style-type: none"> Presents complex information in a variety of ways using clear and convincing language, tone and pace appropriate for staff and key stakeholders
Numeracy	<ul style="list-style-type: none"> Perform calculations when implementing and interpreting tests and results
Get the work done	<ul style="list-style-type: none"> Applies systematic and analytical decision making processes when developing and reviewing renovation plans

Unit Mapping Information			
Code and title current version	Code and title previous version	Comments	Equivalence status
AHCTRF402 Plan and implement sports turf renovation	AHCTRF402 Plan and implement sports turf renovation	Changes to Performance Criteria for clarity Updated Performance Evidence and Knowledge Evidence	Equivalent unit

Links	Companion Volumes, including Implementation Guides, are available at VETNet: https://vetnet.education.gov.au/Pages/TrainingDocs.aspx?q=c6399549-9c62-4a5e-bf1a-524b2322cf72
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TITLE	Assessment requirements for AHCTRF402 Plan and implement sports turf renovation
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 on at least one occasion prepared and implemented a sports turf renovation plan ensuring they have:</p> <ul style="list-style-type: none"> • assessed site plans and conducted measurements, and field tests to establish scope of renovations • identified site health, safety and environmental hazards, assessed risks and established controls for the renovation works • developed and documented a plan for a sports turf renovation program and prepared a schedule of works and specifications for implementation • reviewed status of machinery and equipment and conducted pre-operational checks in preparation for renovation works • selected and coordinated work team and contractors to implement the schedule of works for renovation of sports turf surfaces • monitored restoration activity, safety and environmental impact of restoration work against performance targets and implemented remedial actions where non-compliant • reconciled completed works against renovation plan • checked equipment for serviceability and initiated repairs • recorded costs of restoration and reviewed against budget • maintained records and produced reports on renovation outcomes according to workplace procedures. 	

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"> • enterprise, national and international industry standards for turf surface appearance, performance and quality • environmental implications of renovation activities, turf and soil treatments, and waste disposal procedures • safe work practices and procedures applicable to renovation 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 including: <ul style="list-style-type: none"> • dethatching • top dressing • aerating • over sowing • fertilising and soil conditioning • 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) 	

Knowledge Evidence
<ul style="list-style-type: none"> • labour and contractor requirements and scheduling • equipment and machinery • turf grass propagation material • growing soils and media • expectations and specification of work quality outcomes • equipment commonly used for sports turf renovation programs including: <ul style="list-style-type: none"> • 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 • adjustments and settings for renovation equipment • managing staff and working with contractors <ul style="list-style-type: none"> • communicating with staff • organising and directing labour • dealing with performance issues • 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: <ul style="list-style-type: none"> • access to a sports turf facility or an environment that accurately represents workplace conditions on which to prepare and implement a turf renovation plan • resources, equipment and materials: <ul style="list-style-type: none"> • turf renovation tools, machinery and equipment • fertiliser, ameliorants, top dressing sand/materials • turf planting/propagation materials • measuring and layout equipment including levels, tape measures, boning rods, laser level, dumpy level • specifications: <ul style="list-style-type: none"> • workplace procedures and work instructions for turf area maintenance • access to workplace, national and international turf grass industry standards • relationships: <ul style="list-style-type: none"> • work team and contractors <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
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