

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.

AHCTRF503	Develop sports turf management programs
Application	<p>This unit of competency describes the skills and knowledge required to develop short-term, annual and on-going sports turf establishment, management and maintenance programs, for the extension, redesign, upgrade and renovation, of sports turf surfaces using an organisation's available resources.</p> <p>It applies to individuals 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
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
1. Determine scope and objectives of turf management program	1.1 Liaise with key stakeholders to determine program scope 1.2 Investigate technical requirements for managing sports turf playing surfaces according to sport rules and regulations and legislative requirements 1.3 Liaise with key stakeholders to determine the objectives of management program 1.4 Document the scope and objectives in a program brief according to workplace procedures
2. Research turf management principles and practices	2.1 Investigate sports turf cultural and management principles and practices relative to site conditions according to workplace procedures 2.2 Investigate work health, safety and environmental impacts of managing sports turf
3. Develop turf management program	3.1 Assess availability and quality of assets and resources for sports turf maintenance site 3.2 Assess sports turf condition, characteristics and intended usage against quality and industry standards for sport 3.3 Estimate the program duration and resource requirements for management program 3.4 Develop program specifications and schedule for management program 3.5 Develop a list of materials and financial budget for management programs 3.6 Document sports turf management program according to workplace procedures
4. Communicate turf management programs	4.1 Identify key stakeholders relevant to implementation of management program for sports turf site 4.2 Develop a communications strategy and prepare materials according to workplace and stakeholder requirements 4.3 Communicate the management program to key stakeholders according to communications strategy

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
5. Review and update turf management program	5.1 Review actual maintenance activities against planned and recommend improvements 5.2 Review and update turf management program and communicate changes to key stakeholders 5.3 Record and report maintenance activities and recommended changes according to workplace procedures

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"> Interpret sporting rules, legislation and regulations to identify and synthesise information that is critical to the development of sports turf management programs
Writing	<ul style="list-style-type: none"> Generate complex management programs, demonstrating control over a range of writing styles and purpose
Oral communication	<ul style="list-style-type: none"> Determines stakeholder requirements through open ended questioning, active listening, paraphrasing and summarising
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			
Code and title current version	Code and title previous version	Comments	Equivalence status
AHCTRF503 Develop sports turf management programs	AHCTRF503 Develop sports turf management programs	Changes to Elements and 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

TITLE	Assessment requirements for AHCTRF503 Develop sports turf management programs
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 developed a management program on at least two of the following sports 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"> • liaised with key stakeholders and investigated technical requirements for managing a sports turf site • determined the scope and objectives of management program and documented in a project brief • researched turf culture, management principles and practices, health and safety and environmental implications of managing sports turf surface • assessed availability and quality of resources to inform maintenance program design • assessed the condition, characteristics and usage of existing turf surface to inform maintenance program design <p>developed a works specifications and schedule of works using a gantt chart for the scope of works</p> <ul style="list-style-type: none"> • developed a list of materials and financial budget for turf management program • communicated programs to key stakeholders according to workplace procedures including at least 1: <ul style="list-style-type: none"> • digital written report • presentation to a group • reviewed and documented in an electronic format at least one turf management program against actual works • made a verbal presentation of at least 15 minutes duration that effectively communicates to key stakeholders changes planned and achieved by the management program • recorded and reported activities and changes for maintenance program 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"> • management programs structure, design and development • project management and scheduling including: <ul style="list-style-type: none"> • project management tools and software • creating and using gantt charts • maintaining quality of sports turf including: <ul style="list-style-type: none"> • impact of type of sport and frequency of usage on turf quality • turf varieties and characteristics • users expectations • sport regulatory requirements • cultural requirements of sports turf surfaces including <ul style="list-style-type: none"> • turf grass species, varieties and cultivars • soil type, characteristics, tests and interpreting results • nutritional requirements for different stages of turf development • impact of climate on turf grass species and varieties • sports turf maintenance requirements and techniques 	

Knowledge Evidence	
<ul style="list-style-type: none"> turf establishment techniques and requirements sources of water supply and measures of quality including: <ul style="list-style-type: none"> testing and interpreting results impact of water quality on soils and turf advantages and disadvantages of sources of water volume of water, irrigation performance and water budgets key stakeholders and their importance in developing a management plan including: <ul style="list-style-type: none"> clients and their needs senior management and relevant authorisations employees and role in implementation contractors and role in implementation workplace health, safety and environmental constraints on management programs including: <ul style="list-style-type: none"> legislative requirements storing and use of agricultural chemicals accessing, storing and using dangerous materials safety procedures and practices communications strategies for delivering management programs to key stakeholders including: <ul style="list-style-type: none"> document oral presentations visual presentations electronic presentations assets required for turf maintenance including: <ul style="list-style-type: none"> quality water supply suitable equipment and machinery suitably trained human resources materials and consumables for maintaining sports turf record keeping and reporting procedures. 	
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"> a sports turf facility or an environment that accurately represents workplace conditions access to two sporting venues specified in the performance evidence resources, equipment and materials: <ul style="list-style-type: none"> internet and computers for researching and documenting management program specifications: <ul style="list-style-type: none"> workplace procedures relevant to the development of sports turf management programs sports turf industry standards rules, regulations and standards for two of the sports specified in the performance evidence relationships: <ul style="list-style-type: none"> key stakeholders with whom to liaise and communicate. <p>Assessors of this unit must satisfy the requirements for assessors in applicable vocational education and training legislation, frameworks and/or standards.</p>	
Links	<p>Companion Volumes, including Implementation Guides, are available at VETNet: https://vetnet.education.gov.au/Pages/TrainingDocs.aspx?q=c6399549-9c62-4a5e-bf1a-524b2322cf72</p>