



Australian Government

AHCTRF507 Develop sports turf management programs

Release: 1

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Modification History

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

Application

This unit of competency describes the skills and knowledge required to develop short-term, annual and ongoing sports turf establishment, management and maintenance programs, for the extension, redesign, upgrade and renovation of sports turf surfaces using an organisation's available resources.

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.

No licensing, legislative or certification requirements apply to this unit at the time of publication.

Pre-requisite Unit

Nil

Unit Sector

Turf (TRF)

Elements and Performance Criteria

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 Identify key stakeholders to determine program scope 1.2 Liaise with key stakeholders to determine the objectives of management program 1.3 Investigate technical requirements for managing sports turf playing surfaces according to sport rules and regulations and

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	legislative requirements 1.4 Document the scope and objectives in a program brief
2. Research turf management principles and practices	2.1 Investigate trends in sports turf cultural and management practices relative to site conditions 2.2 Investigate the impact of workplace health and safety regulations on sports turf facility management programs 2.3 Investigate the impact of environmental regulations on sports turf facility management programs
3. Develop turf management program	3.1 Assess availability and quality of assets and resources used for sports turf maintenance 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
4. Communicate turf management program	4.1 Develop a communications strategy for sports turf site, and prepare presentation materials according to workplace and stakeholder requirements 4.2 Present the management program to key stakeholders according to communications strategy
5. Review and update turf management program	5.1 Review historical maintenance activities against planned and recommend improvements 5.2 Review and update turf management program against historical data

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
Reading	Interpret sporting rules, legislation and regulations to identify and synthesise information that is critical to the development of sports turf management programs
Writing	Generate complex management programs using a range of writing styles
Oral communication	Determine stakeholder requirements through open-ended questioning, active listening, paraphrasing and summarising
Numeracy	Analyse and synthesise mathematical information from a 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
AHCTRF507Develop sports turf management programs	AHCTRF503Develop sports turf management programs	Performance criteria clarified Foundation skills added Performance evidence, knowledge evidence and assessment conditions expanded	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>

Assessment Requirements for AHCTRF507 Develop sports turf management programs

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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 developed a management program spanning a 12-month period for at least two sports turf surfaces from the following:

- a single hole for a golf course, including tee and surrounds, rough, fairways and green
- a bowling green
- a cricket surface, including the wicket surface and outfield
- a ball sport selected from one of Australian Rules football, soccer or rugby
- a horse race track
- a sport turf surface selected from one of lawn tennis, lacrosse, hockey, polo or croquet.

There must also be evidence that the individual has:

- 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
- developed specifications and schedule of works using a Gantt chart
- developed a list of materials and financial budget for turf management program
- communicated turf management program to key stakeholders according to workplace procedures, including:
 - a digital written report
 - a presentation to a group of stakeholders
- reviewed and documented in an electronic format at least one turf management program against actual works

- communicated planned changes and works achieved by the management program with a verbal presentation of at least 15 minutes' duration
- recorded and reported activities and changes for maintenance program according to workplace 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:

- management programs structure, design and development
- project management and scheduling, including:
 - project management tools and software
 - creating and using Gantt charts
- maintaining quality of sports turf, including:
 - 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:
 - 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
 - turf establishment techniques and requirements
- sources of water supply and measures of quality, including:
 - 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 sports turf management plan, including:
 - clients and their needs
 - senior management and relevant authorisations
 - employees and their role in implementation
 - contractors and their role in implementation
- workplace health, safety and environmental constraints on management programs, including:
 - legislative requirements
 - storing and use of agricultural chemicals
 - accessing, storing and using hazardous materials

- safety procedures and practices
- strategies to communicate management programs to key stakeholders, including:
 - documentation
 - oral presentations
 - visual presentations
 - electronic presentations
- assets required for sports turf maintenance, including:
 - quality water supply
 - equipment and machinery
 - suitably trained human resources
 - materials and consumables
- record keeping and reporting procedures.

Assessment Conditions

Assessment of skills must take place under the following conditions:

- physical conditions:
 - 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:
 - internet access and computers for researching and documenting a sports turf management program
- specifications:
 - 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:
 - stakeholders.

Assessors of this unit must satisfy the requirements for assessors in applicable vocational education and training legislation, frameworks and/or standards.

Links

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