



Australian Government

Department of Education, Employment and Workplace Relations

AHCTRF503A Develop sports turf management programs

Release: 1

AHCTRF503A Develop sports turf management programs

Modification History

Not applicable.

Unit Descriptor

This Unit describes the performance outcomes, skills and knowledge required to develop sports turf management programs including turf establishment programs, extension/redesign, turf surface upgrades and renovation programs based on the organisation's available resources.

Application of the Unit

This Unit applies to sports turf managers, such as golf course superintendents, 'grow in' superintendents, project managers and turf contractors, who have a responsibility for developing short term, annual and on-going sports turf management and maintenance programs.

Licensing/Regulatory Information

Not applicable.

Pre-Requisites

Not applicable.

Employability Skills Information

This Unit contains employability skills.

Elements and Performance Criteria Pre-Content

Elements describe the essential outcomes of a Unit of Competency.

Performance criteria describe the performance needed to demonstrate achievement of the element. Where bold italicised text is used, further information is detailed in the required skills and knowledge section and the range statement. Assessment of performance is to be consistent with the evidence guide.

Elements and Performance Criteria

ELEMENT	PERFORMANCE CRITERIA
1 Research turf management principles and practices	1.1 Project briefs are established or developed 1.2 Principles underpinning sports turf growth and development are determined as appropriate for site conditions 1.3 Environmental impacts of the turf management programs are identified and considered
2 Determine turf management program scope and objectives	2.1 A site assessment is undertaken that includes the assessment of the turf growing environment, the resources available for on-going turf maintenance, the source of water and its quantity and quality, the type of turf and its condition, intended use and intensity 2.2 The program duration and resource requirements are estimated 2.3 A program schedule and budget are developed that reflects the approach taken to the turf management programs 2.4 The turf management program is reviewed and confirmed with others
3 Communicate turf management programs to others	3.1 Current turf management practices are identified and confirmed for the project requirements 3.2 The intended programs are recorded and communicated in an appropriate format to staff and management or client 3.3 Key parts of the turf management program that involve others are identified and communicated 3.4 Project schedules and timelines are developed
4 Record and review turf management programs for use by others	4.1 Turf is inspected regularly and changes to the management plan are implemented according to the monitoring process 4.2 The turf management program is monitored and changes to the program are considered and communicated 4.3 Information is recorded from team meetings 4.4 Information is reported and filed for future use

Required Skills and Knowledge

This section describes the skills and knowledge required for this Unit.

Required skills include:

Ability to:

- undertake a site assessment
- evaluate short and long term climatic conditions
- interpret soils and water test data
- recognise turf maintenance required based on type and usage
- use written and verbal communication skills
- provide for turf and usage needs through program development including fertility, renovation and maintenance practices
- calculate water usage requirements
- provide irrigation scheduling and management
- develop monitoring program to assess impact of program
- manage project timelines.

Required knowledge includes:

Knowledge of:

- turf varieties and characteristics
- nutritional requirements for different stages of turf development
- turf establishment techniques and requirements
- soil type and characteristics
- water quality and its impacts on soils and turf
- impact of intended usage on turf
- impact of climatic conditions on turf varieties
- requirements of intended use of turf
- renovation requirements and techniques
- project programming.

Evidence Guide

The evidence guide provides advice on assessment and must be read in conjunction with the performance criteria, required skills and knowledge, range statement and the Assessment Guidelines for the Training Package.	
Overview of assessment	
Critical aspects for assessment and evidence required to demonstrate competency in this Unit	The evidence required to demonstrate competency in this Unit must be relevant to workplace operations and satisfy holistically all of the requirements of the performance criteria and required skills and knowledge and include achievement of the following: • development of turf management programs • development of specifications and bills of quantity for turf management programs • development of a works schedule and a plan of the scope of works • preparation of a turf maintenance program.
Context of and specific resources for assessment	Competency requires the application of work practices under work conditions. Selection and use of resources for some workplaces may differ due to the regional or enterprise circumstances.
Method of assessment	This Unit should be assessed together with core Units and other Units of Competency relevant to the function or work role.
Guidance information for assessment	To ensure consistency of performance, competency should be demonstrated on more than one occasion over a period of time in order to cover a variety of circumstances, cases and responsibilities, and where possible, over a number of assessment activities.

Range Statement

The range statement relates to the Unit of Competency as a whole. It allows for different work environments and situations that may affect performance. Bold italicised wording, if used in the performance criteria, is detailed below. Essential operating conditions that may be present with training and assessment (depending on the work situation, needs of the candidate, accessibility of the item, and local industry and regional contexts) may also be included.

Turf management programs include:

- watering volume and frequency
- fertiliser amounts and frequency
- organic management practices
- weed control programs
- pest and disease monitoring
- mowing settings and frequency
- coring, slicing and other renovation practices.

Unit Sector(s)

Turf