



Australian Government

AHCTRF501 Plan the establishment of sports turf playing surfaces

Release: 1

AHCTRF501 Plan the establishment of sports turf playing surfaces

Modification History

Release	TP Version	Comment
1	AHCv1.0	Initial release

Application

This unit of competency describes the skills and knowledge required to establish sports turf playing surfaces and develop a design for the site, its specifications and work procedures. It applies to the planning processes involved in establishing turf in new constructions and major renovations of existing sports turf surfaces.

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. All work is carried out to comply with workplace procedures.

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

Pre-requisite Unit

Nil.

Unit Sector

Turf (TRF)

Elements and Performance Criteria

Element	Performance criteria
Elements describe the essential outcomes.	Performance criteria describe the performance needed to demonstrate achievement of the element.
1. Carry out preliminary planning activities for turf establishment	1.1 Confirm client preferences and requirements for the sports turf playing surface 1.2 Assess the site for biophysical factors, services and site modifications

Element	Performance criteria
	1.3 Research turf plant species and cultivars, legal attributes and local by-laws and restrictions that may affect the plan for turf establishment 1.4 Identify environmental implications of the planned turf establishment works and report to personnel for further research 1.5 Develop a concept plan that reflects client preferences and requirements and takes into account site factors and any identified environmental requirements and present to the client for discussion and approval
2. Determine requirements of turf establishment works	2.1 Select turf establishment procedures consistent with the concept plan according to site factors and available resources and equipment 2.2 Determine resources required for the construction of soil profiles, planting and ongoing maintenance of the playing surface 2.3 Ensure that the design of the soil profile to support the playing surface takes into account the turf use, soil characteristics and includes irrigation and drainage systems 2.4 Identify plants that are appropriate to the site and consistent with the concept plan 2.5 Calculate and cost the quantity and confirm availability with the supplier 2.6 Provide management of new turf that encourages optimal growth 2.7 Determine timelines for preparations, construction of soil profiles, planting and maintenance
3. Prepare and document the turf establishment plan and specification	3.1 Prepare designs of the soil profile and detailed plans of the scope of works, specifications and quotation based on the requirements of the turf establishment work 3.2 Develop and document on-site procedures and schedules for the establishment of the sports turf playing surface and its ongoing maintenance

Foundation Skills

Foundation Skills essential to performance are explicit in the performance criteria of this unit of competency.

Range of Conditions

Unit Mapping Information

This unit is equivalent to AHCTRF501A Plan the establishment of sports turf playing surfaces.

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=c6399549-9c62-4a5e-bf1a-524b2322cf72>

Assessment Requirements for AHCTRF501 Plan the establishment of sports turf playing surfaces

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Performance Evidence

The candidate must be assessed on their ability to integrate and apply the performance requirements of this unit in a workplace setting. Performance must be demonstrated consistently over time and in a suitable range of contexts.

The candidate must provide evidence that they can:

- design sectional and elevation plans of the turf establishment works
- develop a schedule and a plan of the scope of works
- develop and interpret construction documentation
- develop specifications and prepare a bill of quantities
- identify and incorporate sub-contracted works into the turf establishment plan
- order and arrange for purchase and delivery of goods and services
- prepare a maintenance program for turf establishment

Knowledge Evidence

The candidate must demonstrate knowledge of:

- principles and practices for establishing and maintaining sports turf playing surfaces
 - construction procedures, plant selection and cultural practices for sports turf playing surfaces
 - growth habits and cultural requirements of specific turf plant species and cultivars under a range of soil and environmental conditions
 - irrigation, drainage and the interrelationship of soil air, water and the physical structure of existing and manufactured soils and sports turf mixes
 - legislation and regulations relating to sports turf sites and turf establishment works
 - maintenance requirements and practices for specific turf plant species and cultivars prior to and after initial establishment
 - site evaluation techniques including analysis of the condition of soils, plants and the site for turf establishment activities
 - surveying principles and techniques

- the role of project briefs and client consultation processes in planning turf establishment works

Assessment Conditions

Assessors must satisfy current standards for RTOs.

Links

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