



**Australian Government**

# **AHCTRF502 Manage sports turf renovation programs**

**Release: 1**

# AHCTRF502 Manage sports turf renovation programs

## Modification History

| Release | TP Version | Comment         |
|---------|------------|-----------------|
| 1       | AHCv1.0    | Initial release |

## Application

This unit of competency describes the skills and knowledge required to identify and implement turf renovation programs appropriate to site requirements. It applies to sports turf managers, such as golf course superintendents, bowling greenkeepers, sports ground curators and turf contractors, who are responsible for the coordination of turf renovation programs.

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. Identify turf renovation needs         | 1.1 Inspect and visually evaluate turf surfaces to determine their condition<br>1.2 Undertake soil tests to determine their need for amelioration<br>1.3 Perform compaction, visual, physical and chemical tests<br>1.4 Undertake water quality tests, where appropriate, to determine its |

| Element                                                              | Performance criteria                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|----------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                      | effect on turf growth and development                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| 2. Select appropriate renovation techniques                          | 2.1 Consider a range of renovation techniques and practices based on past practices and existing condition of turf<br>2.2 Refer to renovation records for information about previous practices and timing<br>2.3 Select turf renovation techniques according to the condition of the turf and the intended outcome of the program<br>2.4 Determine the timing of the renovation program according to the requirements of the turf species, requirements of the practice and the needs of players and use of the turf facility<br>2.5 Prepare an on-going turf maintenance program |
| 3. Organise staff and resources for turf renovation project          | 3.1 Record and program the turf renovation program<br>3.2 Determine machinery and equipment for the renovation program and check for availability and working condition<br>3.3 Calculate and order consumable requirements<br>3.4 Contact and hire contractors and machinery, if necessary, according to the requirements of the program                                                                                                                                                                                                                                          |
| 4. Review renovation outcomes and complete associated record keeping | 4.1 Record soil testing and water quality test results<br>4.2 Record direct costs of consumables and contractors<br>4.3 Record indirect costs of staff involvement<br>4.4 Record renovation practices and outcomes                                                                                                                                                                                                                                                                                                                                                                |

## 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 AHCTRF502A Manage sports turf renovation programs.

## 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 AHCTRF502 Manage sports turf renovation programs

## Modification History

| Release | TP Version | Comment         |
|---------|------------|-----------------|
| 1       | AHCv1.0    | Initial release |

## 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:

- develop renovation documentation
- develop program specifications
- develop a schedule and a plan of the scope of works
- order and arrange purchase and delivery of goods and services
- identify and incorporate sub-contracted works into the turf renovation plan
- prepare an on-going turf maintenance program

## Knowledge Evidence

The candidate must demonstrate knowledge of:

- principles and practices for managing sports turf renovation programs
  - comparative environmental implications of renovation activities, turf and soil treatments and waste disposal procedures
  - enterprise and industry standards for turf surface appearance and quality
  - field measurement techniques such as infiltration rate, organic fines, hardness, traction, surface smoothness and turf sward height
  - impact of climatic conditions on turf recovery
  - planting, care and renovation scheduling requirements of turf grass species and cultivars.
  - requirements of the turf's intended use
  - schedule and intensity
  - soil physical and chemical properties for imported and existing soils
  - specialist turf renovation principles and practices
  - turf nutrition and plant growth regulators

## Assessment Conditions

Assessors must satisfy current standards for RTOs.

## Links

Companion Volume implementation guides are found in VETNet -

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