



**Australian Government**

**Department of Education, Employment and Workplace Relations**

# **AHCTRF305A Renovate sports turf**

**Release: 1**

## AHCTRF305A Renovate sports turf

### Modification History

Not Applicable

### Unit Descriptor

<b>Unit descriptor</b>	<p>This unit covers the process of renovating sports turf and defines the standard required to: implement a sports turf renovation program; conduct a site hazard identification and risk control assessment; prepare check and calibrate turf renovation machinery and equipment; use turf renovation machinery and equipment to restore turf health and condition; renovate a sports turf for successful high performance use; record outcomes of renovation works.</p>
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### Application of the Unit

<b>Application of the unit</b>	<p>This unit applies to the process of implementing renovation or remediation of a sports turf area for minor projects and seasonal renovations in the turf industry. Renovating sports turf requires the application of extensive horticultural knowledge and a broad range of horticultural skills. Turf renovation is normally done within routines, methods and procedures where some discretion and judgement is required in the selection of equipment and materials, organisation of work, services, actions, and the achievement of outcomes within time and budgetary constraints.</p>
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### Licensing/Regulatory Information

Not Applicable

## Pre-Requisites

<b>Prerequisite units</b>		

## Employability Skills Information

<b>Employability skills</b>	This unit contains employability skills.
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## Elements and Performance Criteria Pre-Content

Not Applicable

## Elements and Performance Criteria

<b>ELEMENT</b>	<b>PERFORMANCE CRITERIA</b>

<b>ELEMENT</b>	<b>PERFORMANCE CRITERIA</b>
1. Prepare to renovate turf	<p>1.1. The turf renovation site and extent of works are identified according to the renovation program.</p> <p>1.2. Turf and renovation materials are selected according to enterprise work procedures.</p> <p>1.3. Occupational Health and Safety (OHS) hazards are identified, risks assessed, controls implemented and reported to the supervisor.</p> <p>1.4. Suitable safety and Personal Protective Equipment (PPE) are selected, used and maintained.</p>
2. Prepare renovation equipment	<p>2.1. Tools, equipment and machinery are selected appropriate to the renovation works program.</p> <p>2.2. Pre-operational and safety checks are carried out on tools, equipment and machinery according to manufacturers specifications and enterprise work procedures.</p> <p>2.3. Tools, equipment and machinery are calibrated and adjusted according to manufacturer's guidelines and enterprise work procedures.</p>
3. Implement sports turf renovation	<p>3.1. Renovation works are identified from the renovation program and schedule and work tasks are implemented in a sequential, timely and effective manner in consultation with the supervisor.</p> <p>3.2. Renovation tasks are undertaken according to OHS requirements and with due consideration of the environmental implications.</p> <p>3.3. Renovation tasks are reviewed and remedial action is undertaken where necessary.</p> <p>3.4. A clean and safe work area is maintained throughout and on completion of work.</p>
4. Complete renovation activities	<p>4.1. Waste material is removed from the renovation site and disposed of in an environmentally aware and safe manner according to enterprise work procedures.</p> <p>4.2. Tools, equipment and machinery are cleaned, maintained and stored according to enterprise work procedures.</p> <p>4.3. Work outcomes are recorded and reported to the supervisor according to enterprise work procedures.</p>

## Required Skills and Knowledge

### REQUIRED SKILLS AND KNOWLEDGE

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

#### Required skills

- communicate with work team members, supervisors and contractors
- interpret and apply site plans and renovation program specifications
- operate specialised turf renovation equipment
- utilise proforma reporting, analysis and work procedure documents
- measure materials
- use interpersonal skills to work with and relate to people from a range of cultural, social and religious backgrounds and with a range of physical and mental abilities.

#### Required knowledge

- detailed physical structure of a sports turf soil profile
- specialist turf renovation practices to achieve high performance turf
- Field measurement techniques such as infiltration rate, organic fines, hardness, traction, surface smoothness, and turf sward height
- enterprise and industry standards for turf surface appearance and quality
- comparative environmental implications of renovation activities, turf and soil treatments and waste disposal procedures
- planting, care and renovation scheduling requirements of grass species and cultivars.
- nutrition and plant growth regulators.

## Evidence Guide

<b>EVIDENCE GUIDE</b>	
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.	
<b>Overview of assessment</b>	
<b>Critical aspects for assessment and evidence required to demonstrate competency in this unit</b>	<p>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:</p> <ul style="list-style-type: none"> <li>• implement a sports turf renovation program</li> <li>• conduct a site hazard identification and risk control assessment</li> <li>• prepare check and calibrate turf renovation machinery and equipment</li> <li>• use turf renovation machinery and equipment to restore turf health and condition</li> <li>• renovate a sports turf for successful high performance use</li> <li>• record outcomes of renovation works.</li> </ul>
<b>Context of and specific resources for assessment</b>	Competency requires the application of work practices under work conditions. Selection and use of resources for some worksites may differ due to the regional or enterprise circumstances.

## Range Statement

<b>RANGE STATEMENT</b>	
The range statement relates to the unit of competency as a whole.	
Renovate turf materials may include:	<ul style="list-style-type: none"> <li>• cool or warm season turf seed</li> <li>• plants of the species and cultivar specified by the supervisor and/or the turf renovation program.</li> </ul>

## Unit Sector(s)

<b>Unit sector</b>	Turf
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## Co-requisite units

<b>Co-requisite units</b>		

## Competency field

<b>Competency field</b>	
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