

**Modification history**

Release	Comments
Release 2	This version released with AHC Agriculture, Horticulture, Conservation and Land Management Training Package Version 4.0.
Release 1	This version released with AHC Agriculture, Horticulture, Conservation and Land Management Training Package Version 1.0.

AHCTRF202	Prepare turf surfaces for play
<b>Application</b>	<p>This unit of competency describes the skills and knowledge required to prepare sports turf surfaces for play.</p> <p>The unit applies to individuals working in a broad range of job contexts who undertake defined routine activities under supervision. They exercise limited autonomy within established and well known parameters, providing solutions to a limited range of predictable problems.</p> <p>No occupational licensing, legislative or certification requirements are known to apply to this unit at the time of publication.</p>
<b>Prerequisite Unit</b>	Nil
<b>Unit Sector</b>	Turf (TRF)

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. Plan and prepare the site for sports turf preparation activities	1.1 Confirm sports turf setup plan and work activity with supervisor 1.2 Check soil and turf moisture condition against set up plan and adjust where out of specification 1.3 Identify work health and safety, and environmental hazards and assess risks and implement controls according to workplace procedures 1.4 Identify permanent and temporary obstacles and manage according to workplace setup procedures 1.5 Inspect the site condition and report irregularities according to workplace procedures
2. Prepare equipment and machinery required for sports turf preparation	2.1 Select and check tools, equipment and machinery and rectify or report faults according to workplace procedures 2.2 Calibrate equipment and adjust according to turf set up plan and manufacturer's instructions 2.3 Conduct pre-operational and safety checks on tools, equipment and machinery 2.5 Implement site safety requirements and monitor and direct sports users according to workplace procedures 2.6 Select, ensure serviceability, fit and use personal protective equipment 2.7 Transport equipment to site according to workplace and safety procedures and regulatory requirements
3. Use machinery and equipment to prepare turf grass playing surface	3.1 Assess turf grass condition against setup plan and report changed conditions to supervisor for assessment and further instructions 3.2 Check equipment and attachments to ensure fit and adjustments according to setup plan, manufacturer instructions and workplace procedures 3.3 Operate equipment in a consistent and uniform manner according to setup plan, manufacturer instructions and workplace procedures 3.4 Collect and dispose of waste materials according to workplace and environmental procedures 3.5 Maintain continuous oversight of turf preparation activities and report any irregularities to supervisor

<b>Elements</b>	<b>Performance Criteria</b>
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
4. Undertake final preparation of playing surface	4.1 Select and check turf surface marking tools and equipment and rectify or report faults according to workplace procedures 4.2 Use measuring equipment, geometry and calculations to locate lines, markers and match play equipment according to setup plan, rules and regulations of intended sport 4.3 Place lines, markers and match play equipment according to setup plan and intended sport, and to reduce wear on playing surface 4.4 Conduct marking out activities within the timeframe of the sports event schedule and setup plan 4.5 Record activities and report work outcomes according to workplace procedures

<b>Foundation Skills</b>	
<i>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.</i>	
<b>Skill</b>	<b>Description</b>
Reading	<ul style="list-style-type: none"> <li>Interpret turf set up plan to identify key information for preparing turf surfaces for play</li> </ul>
Oral communication	<ul style="list-style-type: none"> <li>Use appropriate terminology to communicate and clarify work requirements with supervisor</li> </ul>
Numeracy	<ul style="list-style-type: none"> <li>Estimates and calculates distance, area, volume, time and ratio</li> </ul>

<b>Unit Mapping Information</b>			
<b>Code and title current version</b>	<b>Code and title previous version</b>	<b>Comments</b>	<b>Equivalence status</b>
AHCTRF202 Prepare turf surfaces for play	AHCTRF202 Prepare turf surfaces for play		Equivalent unit

<b>Links</b>	Companion Volumes, including Implementation Guides, are available at VETNet: <a href="https://vetnet.education.gov.au/Pages/TrainingDocs.aspx?q=c6399549-9c62-4a5e-bf1a-524b2322cf72">https://vetnet.education.gov.au/Pages/TrainingDocs.aspx?q=c6399549-9c62-4a5e-bf1a-524b2322cf72</a>
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TITLE	Assessment requirements for AHCTRF202 Prepare turf surfaces for play
<b>Performance Evidence</b>	
<p>An individual demonstrating competency must satisfy all of the elements and performance criteria in this unit.</p> <p>There must be evidence that the individual has prepared turf surfaces for play on at least 3 of the following types of sports turf surfaces:</p> <ul style="list-style-type: none"> <li>• single hole for golf course including tee and surrounds, rough, fairways and green including moving the hole and location of tee markers</li> <li>• bowling green including the assessment of pace of green</li> <li>• cricket oval including preparation of wicket surface, line marking of wicket and outfield and stump installation</li> <li>• ball sport facility (football, soccer or rugby) including outfield line marking</li> <li>• race track including race surface preparation, line marking, and barrier installation</li> <li>• one other sports turf playing surface selected from: <ul style="list-style-type: none"> <li>• lawn tennis</li> <li>• lacrosse</li> <li>• hockey</li> <li>• polo</li> <li>• croquet.</li> </ul> </li> </ul> <p>There must also be evidence that the individual has:</p> <ul style="list-style-type: none"> <li>• determined the condition of the playing surface and confirmed the work requirement with a supervisor</li> <li>• identified safety hazards and risks and implemented controls to ensure personal and users' safety when performing work</li> <li>• selected, checked, adjusted, transported and operated equipment and machinery on the turf site safely according to setup plan, workplace and equipment operating procedures</li> <li>• assessed turf condition and confirmed preparation requirements against setup plan and reporting changed conditions to supervisor</li> <li>• prepared a consistent and uniform sports turf playing surface according to the rules and regulations of the game and according to setup plan and workplace procedures</li> <li>• collected and disposed of waste according to workplace and environmental procedures</li> <li>• selected, checked and used marking out equipment, materials and procedures to accurately layout each sports turf play surface according to rules and regulations of the sport</li> <li>• recorded and reported work outcomes, faults and irregularities according to workplace procedures.</li> </ul>	
<b>Knowledge Evidence</b>	
<p>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:</p> <ul style="list-style-type: none"> <li>• principles and practices of turf preparation for play including: <ul style="list-style-type: none"> <li>• effect of adverse climatic conditions on turf preparation</li> <li>• the use of turf in high performance sport environments</li> <li>• purpose of turf surface preparation in maintaining turf presentation</li> <li>• various cultural requirements of turf grass species</li> </ul> </li> <li>• biological factors of turf grass species affected by turf preparation activities <ul style="list-style-type: none"> <li>• moving golf holes</li> <li>• reasons for moving markers</li> <li>• height of cut for grass species</li> <li>• effect of rollers on compaction and turf growth</li> <li>• effect of mower cutting type</li> </ul> </li> <li>• assessment of turf grass condition prior to setting up <ul style="list-style-type: none"> <li>• colour of sward</li> <li>• length of sward and cutting heights</li> <li>• setup equipment requirements and selection criteria</li> </ul> </li> <li>• conducting mowing operations including: <ul style="list-style-type: none"> <li>• ensuring uniform cut</li> </ul> </li> </ul>	

<b>Knowledge Evidence</b>
<ul style="list-style-type: none"> <li>• maintaining a consistent pattern</li> <li>• implications of repetitive activity on equipment wear and tear and grain, and the need to vary direction of cut</li> <li>• marking out sports turf surfaces for play                             <ul style="list-style-type: none"> <li>• tools and equipment their preparation and use, for marking out (e.g. pegs, measuring equipment, string lines etc.)</li> <li>• line marking methods for sports turf surfaces</li> <li>• basic calculations and geometry relevant layout and line marking</li> <li>• rules and regulations for marking and layout sports turf surfaces</li> </ul> </li> <li>• markers and other sports turf match play requirements                             <ul style="list-style-type: none"> <li>• holes</li> <li>• tee markers</li> <li>• out of bounds markers</li> </ul> </li> <li>• water and its effect on sports play, preparation activities and how to rectify including:                             <ul style="list-style-type: none"> <li>• soil water requirements</li> <li>• turf surface water condition (eg. dew, rain)</li> <li>• effect on play condition</li> <li>• water and dew removal techniques</li> </ul> </li> <li>• work health and safety hazards, risks and controls when preparing turf surfaces for play including                             <ul style="list-style-type: none"> <li>• rapid risk assessment</li> <li>• safe transport of equipment to site</li> <li>• legal requirements when transporting equipment on public roads</li> </ul> </li> <li>• maintaining a safe work site including                             <ul style="list-style-type: none"> <li>• safety barriers</li> <li>• signage and notifications</li> <li>• managing pedestrian user traffic flow</li> </ul> </li> <li>• obstacles affecting sports turf setup and methods of managing them during preparation activities including:                             <ul style="list-style-type: none"> <li>• permanent obstacles</li> <li>• temporary obstacles</li> </ul> </li> <li>• equipment commonly used for preparation of sports turf, their calibration, adjustment and safe use:                             <ul style="list-style-type: none"> <li>• mowers and height adjustments</li> <li>• sports turf edger's</li> <li>• rollers</li> <li>• water soppers and blowers</li> <li>• line marking equipment</li> </ul> </li> <li>• pre-and post-operational machinery and equipment checks prior to use including:                             <ul style="list-style-type: none"> <li>• electrical cords</li> <li>• checking and testing procedures</li> <li>• identifying, tagging and reporting faulty equipment</li> <li>• pre-start checks</li> <li>• post work checks</li> <li>• fault reporting procedures</li> </ul> </li> <li>• waste materials disposal procedures and environmental considerations</li> <li>• record keeping requirements and their purpose.</li> </ul>

<b>Assessment Conditions</b>
<p>Assessment of skills must take place under the following conditions:</p> <ul style="list-style-type: none"> <li>• physical conditions:                             <ul style="list-style-type: none"> <li>• a sports turf facility or an environment that accurately represents workplace conditions in which to demonstrate the preparation and layout at least 3 sports surfaces specified in the performance evidence</li> </ul> </li> <li>• resources, equipment and materials:                             <ul style="list-style-type: none"> <li>• turf setup equipment including, mowers (cylinder and rotary), edger, roller and marking out materials and equipment</li> <li>• measuring and layout equipment including, tape measures and string lines</li> </ul> </li> </ul>

<b>Assessment Conditions</b>
<ul style="list-style-type: none"><li>• specifications:<ul style="list-style-type: none"><li>• workplace documents including work instructions, turf preparation and setup plan for at least 3 specific sports play surfaces specified in the performance evidence</li></ul></li><li>• relationships:<ul style="list-style-type: none"><li>• work team and supervisor</li></ul></li><li>• timeframe:<ul style="list-style-type: none"><li>• sports turf play schedule</li></ul></li></ul> <p>Assessors of this unit must satisfy the requirements for assessors in applicable vocational education and training legislation, frameworks and/or standards.</p>

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