

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.

AHCTRF201	Assist with turf construction
Application	<p>This unit of competency describes the skills and knowledge required to support workers in a team who are constructing soil profiles for the establishment of a sand based turf surface.</p> <p>The unit applies to individuals working in a 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>
Prerequisite Unit	Nil
Unit Sector	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. Prepare for soil profile construction	1.1 Interpret site and construction plans to locate services in consultation with the supervisor 1.2 Identify work health and safety hazards, assess risks and implement controls in consultation with supervisor 1.3 Select safety equipment, signage and barriers required according to the construction plan 1.4 Install safety equipment to ensure construction site is secure according to construction plan
2. Prepare equipment for soil profile construction	2.1 Select tools, equipment and machinery according to construction project requirements 2.2 Carry out pre-operational and safety checks on tools, equipment and machinery 2.3 Report faulty or defective equipment and machinery according to workplace procedures 2.4 Select, ensure serviceability, fit and use personal protective equipment
3. Undertake soil profile construction	3.1 Interpret site construction plan to establish grades, levels and boundaries of works 3.2 Use basic survey equipment to assist construction team to mark out and define grades level and boundaries 3.3 Use hand tools and machinery to grade and consolidate the base to the specified level for uniform compaction across the site 3.4 Excavate drainage and irrigation trenches to depth, width and fall specified in the construction plan 3.5 Remove and store excavated material safely according to workplace procedures and construction plan specifications

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
4. Restore the site after drainage and irrigation installation	4.1 Back fill trenches, consolidate and level the site to construction plan specifications 4.2 Restore the soil profile maintaining levels of each layer according to construction plan specifications 4.3 Irrigate the restored site according to soil profile requirements and workplace procedures 4.4 Collect and dispose of waste material from the site according to workplace procedures
5. Clean and store equipment and machinery and maintain records	5.1 Clean and maintain tools, equipment and machinery according to workplace procedures 5.2 Collect and store tools, equipment, machinery and unused materials according to workplace practices 5.2 Record or report work outcomes according to workplace procedures

Foundation Skills	
<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>	
Skill	Description
Reading	<ul style="list-style-type: none"> Interpret symbols and text on construction plans to identify key information
Oral communication	<ul style="list-style-type: none"> Use open and closed questions logically to clarify work instructions Use industry terminology to communicate with team members
Numeracy	<ul style="list-style-type: none"> Estimates and calculates distance, area, volume and ratio
	<ul style="list-style-type: none">
Interact with others	<ul style="list-style-type: none"> contributes to work group activities by completing work tasks in a sequential and timely manner
	<ul style="list-style-type: none">

Unit Mapping Information			
Code and title current version	Code and title previous version	Comments	Equivalence status
AHCTRF201 Assist with turf construction	AHCTRF201A Assist with turf construction		Equivalent unit

Links
Companion Volumes, including Implementation Guides, are available at VETNet: https://vetnet.education.gov.au/Pages/TrainingDocs.aspx?q=c6399549-9c62-4a5e-bf1a-524b2322cf72

TITLE	Assessment requirements for AHCTRF201 Assist with turf construction
Performance Evidence	
<p>An individual demonstrating competency must satisfy all of the elements and performance criteria in this unit. There must be evidence that the individual has on at least one occasion assisted in the construction of a sand based turf surface project using a construction plan, including:</p> <ul style="list-style-type: none"> • located services and established construction site grades, levels and boundaries from the plan • used basic survey equipment and assisted with the layout of construction grades, levels and boundaries • selected and checked machinery and equipment required to perform levelling, grading, excavation and consolidation • reported faults and defects in machinery and equipment according to workplace procedures • safely used tools, equipment and machinery to perform, levelling, grading, excavation, and consolidation tasks to construction plan specifications • safely cleaned, maintained and stored turf construction tools, equipment and machinery • followed workplace procedures, including health, safety and environmental • worked collaboratively and productively within a team • recorded and reported work outcomes according to workplace procedures. 	
Knowledge Evidence	
<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"> • principles and practices of turf construction including: <ul style="list-style-type: none"> • different soil preparations for construction • purpose of turf construction in maintaining turf presentation • relationship between a well-constructed soil profile for the quality and appearance of the turf • purpose, effect, methods and equipment used for compacting turf profiles • materials used in developing a profile for turf • selection of, effective use and safe operation of tools and machinery including: <ul style="list-style-type: none"> • influences on the selection of tools, machinery and safety equipment • basic irrigation and drainage installation procedures and techniques relevant to turf construction • basic awareness of survey techniques and equipment required to support survey work including <ul style="list-style-type: none"> • principles of surveying, including laser levels, dumpy levels, self-centring levels • purpose and use of boning rods • purpose and use of surveyors staff and lenses • purpose and use of tape measures • basic survey calculations used for determining levels, grades and boundaries including: <ul style="list-style-type: none"> • 3,4,5 triangle for right angles • calculating grades • measurements and units of measure • basic plan reading skills required for supporting turf construction operations and identify: <ul style="list-style-type: none"> • services • measurements • levels and grades • safe handling and disposal of construction waste materials • workplace health and safety hazards, risks and control measures when constructing new turf including: <ul style="list-style-type: none"> • site safety • personal safety • safe use and operation of tools equipment and machinery • record keeping and reporting procedures relevant to turf construction. 	
Assessment Conditions	
<p>Assessment of skills must take place under the following conditions:</p> <ul style="list-style-type: none"> • physical conditions: <ul style="list-style-type: none"> • a sports turf facility or an environment that accurately represents workplace conditions 	

Assessment Conditions	
<ul style="list-style-type: none">• resources, equipment and materials:<ul style="list-style-type: none">• excavation and grading equipment• personal protection and other safety equipment• measuring and layout equipment including levels, tape measures, string lines• basic levelling tools• specifications:<ul style="list-style-type: none">• professionally drawn sports turf site and construction plans that include site layout, existing services, proposed services, excavation levels, fill materials, fill profiles and finished levels• workplace procedures and instructions, including health, safety and environmental• relationships:<ul style="list-style-type: none">• work team and supervisor. <p>Assessors of this unit must satisfy the requirements for assessors in applicable vocational education and training legislation, frameworks and/or standards.</p>	
Links	Companion Volumes, including Implementation Guides, are available at VETNet: https://vetnet.education.gov.au/Pages/TrainingDocs.aspx?q=c6399549-9c62-4a5e-bf1a-524b2322cf72