



Australian Government

AHCTRF206 Assist with turf construction

Release: 1

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Modification History

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

Application

This unit of competency describes the skills and knowledge required to assist in the construction of soil profiles for the establishment of a turf surface.

The unit applies to individuals who support turf construction and 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.

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

Pre-requisite Unit

Nil

Unit Sector

Turf (TRF)

Elements and Performance Criteria

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 workplace health, safety and environmental 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

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
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 of, 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, levels and boundaries 3.3 Use hand tools and machinery to grade and consolidate the base according to specifications 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 construction plan specifications
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 4.3 Irrigate the restored site according to soil profile requirements 4.4 Collect and dispose of waste material from the site
5. Clean and store equipment and machinery	5.1 Clean and maintain tools, equipment and machinery according to workplace procedures 5.2 Collect and store tools, equipment, machinery and unused materials 5.3 Report work outcomes to supervisor

Foundation Skills

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.

Skill	Description
Reading	Interpret construction plans to identify key information, including symbols and text
Oral communication	- Use open and closed questions logically to clarify work instructions - Use industry terminology to communicate with team members
Numeracy	Estimate and calculate distance, area, volume and ratio

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
AHCTRF206 Assist with turf construction	AHCTRF201 Assist with turf construction	Element 5 added Performance criteria added to elements 2 and 3 Performance criteria clarified Performance evidence, knowledge evidence and assessment conditions expanded	Equivalent unit

Links

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

Assessment Requirements for AHCTRF206 Assist with turf construction

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Performance Evidence

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 turf surface project using a construction plan, including:

- assisted in locating 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
- safely used tools, equipment and machinery to perform levelling, grading, excavation and consolidation tasks
- 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
- reported work outcomes on completion.

Knowledge Evidence

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:

- principles and practices of turf construction, including:
 - different soil preparations for construction
 - purpose of turf construction in maintaining turf presentation
 - relationship between a well-constructed soil profile and 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, effective use and safe operation of tools and machinery
- basic irrigation and drainage installation techniques relevant to turf construction
- basic awareness of survey techniques and equipment required to support survey work, including:
 - principles of surveying, including laser levels, dumpy levels
 - purpose and use of surveyor staff and lenses
 - purpose and use of tape measures
- basic survey calculations used for determining levels, grades and boundaries, including:
 - 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 to identify:
 - 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:
 - site safety
 - personal safety
 - safe use and operation of tools, equipment and machinery
- reporting procedures relevant to turf construction.

Assessment Conditions

Assessment of skills must take place under the following conditions:

- physical conditions:
 - a sports turf facility or an environment that accurately represents workplace conditions
- resources, equipment and materials:
 - excavation and grading equipment
 - personal protection and other safety equipment
 - measuring and layout equipment including levels, tape measures, string lines
 - basic levelling tools
- specifications:
 - 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 for sports turf construction

- workplace health, safety and environmental procedures related to sports turf construction
- relationships:
 - work team and supervisor.

Assessors of this unit must satisfy the requirements for assessors in applicable vocational education and training legislation, frameworks and/or standards.

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