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.

AHCTRF502	Manage sports turf renovation programs
Application	This unit of competency describes the skills and knowledge required to assess a sports turf surface and develop programs and procedures to implement renovation activities appropriate to the sport and sporting regulations.
	It applies to individuals who are responsible for the management of turf renovation programs 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.
	No occupational licensing, legislative or certification requirements are known to apply to this unit at the time of publication.
Prerequisite Unit	Nil
Unit Sector	Turf (TRF)

Elements	Performance Criteria
Elements describe the essential outcomes.	Performance criteria describe the performance needed to demonstrate achievement of the element.
1. Assess the turf renovation site	 1.1 Inspect and assess turf surface condition for the renovation site 1.2 Implement soil physical and chemical tests to determine soil condition and determine corrective action according to industry and workplace standards 1.3 Implement water quality tests to determine its effect on turf growth and development according to workplace and industry standards 1.4 Assess sward cover and identify over sowing requirements and turf grass species/varieties required according to workplace and industry standards 1.5 Identify work health, safety and environmental hazards, assess risks
	and specify controls for incorporation in plan according to workplace procedures
2. Select renovation technique for sports turf site	 2.1 Investigate and evaluate renovation techniques and practices using historical and current data 2.2 Review renovation records to inform planned works, practices and timing 2.3 Determine turf renovation technique for current condition of turf and intended outcome of the program 2.4 Establish the timing of the renovation program according to turf species cultural requirements, renovation technique, weather conditions and sport turf usage 2.5 Produce a financial budget for turf renovation activity according to workplace procedures 2.6 Prepare a turf maintenance program for post renovation recovery
	2.7 Document a the turf renovation program according to workplace procedures

Elements	Performance Criteria
Elements describe the essential outcomes.	Performance criteria describe the performance needed to demonstrate achievement of the element.
3. Organise staff and resources for turf renovation project	3.1 Determine machinery and equipment for the renovation program and check for availability, working condition and settings and adjustments for sports turf renovation
	3.2 Calculate and order consumables required according to workplace procedures3.3 Liaise with contractors and machinery hire firms and arrange contracts
	according to program requirements and workplace procedures 3.4 Determine team and contractor work requirements and specify sequence and timing of the renovation project
4. Review renovation outcomes and complete	4.1 Update records for soil condition and water quality tests according to workplace procedures
associated record keeping	 4.2 Update financial records with direct and indirect costs and review against budget according to workplace financial accounting standards 4.4 Record and report renovation practices and outcomes according to workplace procedures
	4.5 Review actual against planned renovation activities and recommend improvements for future renovation work according to workplace procedures

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	Evaluate and critique ideas and information from sporting rules and regulations and synthesises into renovation programs	
Writing	 Generates written renovation programs, demonstrating control over a broad range of writing styles and purpose 	
Oral communication	 Establishes and maintains complex and effective communications in a broad range of contexts with contractors and hire companies 	
Numeracy	 Analyses and synthesises highly embedded mathematical information from a broad range of tasks and texts to develop schedules and specifications 	
Navigate the world of work	 Develops and implements programs that ensures organisational policies, procedures and regulatory requirements are being met 	
Interact with others	 Uses a variety of relevant communication tools and strategies in building and maintaining effective working relationships with key stakeholders Develops and implements communications strategies with internal and external stakeholders in order to build rapport 	
Get the work done	Plans strategic priorities and outcomes within a flexible, efficient and effective context in a diverse environment exposed to competing demands	

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
AHCTRF502 Manage sports turf renovation programs	AHCTRF502 Manage sports turf renovation programs	Minor changes to Elements and Performance Criteria for clarity Updated Performance Evidence and Knowledge Evidence	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 AHCTRF502 Manage sports turi renovation programs	
Performance Evidence	•	
	ompetency must satisfy all of the elements and performance criteria in this	
unit. There must be evidence that t	he individual has managed sports turf surfaces on at least three of the	
following turf surfaces:	ne individual has managed sports tun surfaces on at least timee of the	
 a single hole for golf course including tee and surrounds, rough, fairways and green 		
bowling green		
	n of wicket surface and outfield	
ball sport (football, soccer	or rugby)	
horse race track		
one other sport turf surfac	e selected from:	
 lawn tennis 		
lacrosse		
 hockey 		
• polo		
croquete.		
There must also be evidence	that the individual has:	
	ests and assessed the turf renovation site for turf condition, soil properties,	
and water quality		
	s and practices and determined a turf renovation technique for current	
conditions and outcomes		
	ety and environmental hazards, assess risks and identified control measure	
to include in plan documented a turf renova	tion plan and appendule of works apporting to workplace procedures	
	tion plan and schedule of works according to workplace procedures costing budget for the project	
•	d operational status of machinery and equipment and specified settings and	
adjustments	a operational status of machinery and equipment and specified settings and	
-	team and contractor for expected works	
	orks according to workplace procedures	
	ordered goods, services and contractors required for the renovation	
according to workplace fin		
•	n turf recovery maintenance program	
	rted outcomes for renovation program	
reviewed program outcom	es against plan and recommended future adjustments.	
Knowledge Evidence		
	demonstrate the knowledge required to perform the tasks outlined in the	
•	teria of this unit. This includes knowledge of: / and environmental implications of renovation activities, turf and soil	
	bosal procedures/issues and legislation	

- enterprise and industry standards for turf surface appearance and quality
- field measurement techniques including infiltration rate, organic fines, hardness, traction, surface smoothness
- impact of climatic conditions and soil temperature on turf recovery
- planting, care and renovation scheduling requirements of turf grass species and cultivars
- requirements of the turf's intended use including intensity and scheduling
- soil physical and chemical properties for imported and existing soils
- specialist turf renovation principles and practices
 - aeration
 - thatch removal
 - topdressing/dusting
 - over sowing
 - application of soil ameliorants
 - removal of over sown species

n	owledge Evidence
	turf nutrition and plant growth regulators
	scheduling and program management and the use of time management tools (e.g. gantt charts)
	developing and managing budgets including:
	direct costs (e.g. contractors, materials and consumables)
	indirect costs (e.g. labour, administration, services)
	fixed or variable costs
	report writing and correct referencing
	enterprise, national and international industry standards for sports turf surfaces, appearance,
	performance and quality
	safe work practices and procedures applicable to renovation planned activities including:
	safe materials handling
	equipment and operation
	public and turf area users
	methods and purpose of field measurement tests to be performed including:
	infiltration rate
	organic fines
	hardness
	traction
	surface smoothness
	turf sward height
	identification and cultural requirements of turf grass species and cultivars including:
	planting/
	propagating
	care and maintenance
	renovation scheduling requirements
	specialist turf renovation practices to achieve high performance turf
	dethatching
	top dressing
	aerating and
	de-compaction
	over sowing
	fertilising and soil conditioning
	adjusting drainage and water holding
	establishing and estimating resource and material requirements for turf grass renovation program
	including
	financial and budgetary constraints
	consumables (fertilisers, ameliorants, chemicals)
	 labour and contractor requirements and scheduling
	equipment and machinery used in turf renovation including:
	 log books and operation status
	 adjustments and settings (tyne/blade types, depths, spacing's)
	 types of equipment and their purpose
	 effective and safe use of tools and machinery
	 need a short list of common renovation tools and equipment
	 influences on the selection of tools, machinery and safety equipment
	 common pre and post operational checks of equipment
	managing staff and working with contractors including:
	 communicating with staff

- organising and directing labour ٠
- preparation of renovation plans, recording and reporting renovation activities. ٠

Assessment Conditions

Assessment of skills must take place under the following conditions:

• physical conditions:

Assessment Conditions			
	 skills must be demonstrated in a sports turf facility or an environment that accurately represents workplace conditions with access to at least three sites suitable for sports turf surface renovation stipulated in the performance evidence 		
•	resources, equipment and materials:		
	 computer software for documenting plans and preparing schedules 		
	 reports, results and testing equipment for soil and plant tissue 		
•	specifications:		
	 workplace procedures and site plans for sports turf renovation 		
	 local, national and international standards for sports turf grass conditions 		
•	relationships		
	work team and contractor.		

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

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